SERIES II FEBRUARY, 1904 NUMBER 4

BULLETIN

OF

NORTHWESTERN UNIVERSITY

ANNUAL CATALOGUE

1903-1904

EVANSTON—CHICAGO
PUBLISHED BY THE UNIVERSITY
1904

UNIVERSITY OF ILLINOIS
LIBRARY

Class C Book N819uH Volume 1903-04

Je 07-10M

Return this book on or before the
Latest Date stamped below.

Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.

University of Illinois Library

L161—O-1096

BULLETIN

OF

NORTHWESTERN UNIVERSITY

ANNUAL CATALOGUE

1903-1904

EVANSTON—CHICAGO
PUBLISHED BY THE UNIVERSITY
1904

Digitized by the Internet Archive
in 2012 with funding from
University of Illinois Urbana-Champaign

http://archive.org/details/undergraduatest0304nort

TABLE OF CONTENTS.

	Page
Calendar,	9-15
Departments of the University,	16
Administrative Officers,	17
The Corporation,	19
University Council,	22
Officers of Instruction and Government,	23-40
The University,	41-70
Organization and Government,	41
University Statutes,	48
History and Development,	52
Grounds and Buildings,	55
Libraries,	61
Museums,	64
The University Settlement,	66
The University Guild,	67
Athletics,	68
Intercollegiate Debates,	70
The College of Liberal Arts,	71-178
Faculty,	71
Standing Committees,	74
Requirements for Admissions,	75-83
Admission to Advanced Standing,	84
Accredited Schools,	84
Residence,	86
Programs of Study,	87
Schedules of Required Studies,	87
Elective Studies,	88
Faculty Advisers,	89
Schedule of Majors and Minors,	90
Courses of Instruction,	92-148
Professional Studies,	149-153
Registration of Undergraduates,	154
Examinations,	155

64558

Page.
Grades of Scholarship, - - - - - - - - 155
Graduate Studies, - - - - - - - - - 157
Degrees, - - - - - - - - - - - 158
The Library, - - - - - - - - - - 162
Grounds and Buildings, - - - - - - - 163
Government, - - - - - - - - - - 167
Religious Worship, - - - - - - - - 168
Student Organizations, - - - - - - - - 169
Fellowships, - - - - - - - - - 170
Scholarships, - - - - - - - - - - 170
Prizes, - - - - - - - - - - 172
Christian Associations, - - - - - - - - 174
Fees and Expenses, - - - - - - - - 175-178
THE MEDICAL SCHOOL, - - - - - - - - - 179-228
Faculty, - - - - - - - - - - 179
Instructors, - - - - - - - - - - 181
Location and Buildings, - - - - - - - 184
Requirements for Admission, - - - - - - 185
Admission to Advanced Standing, - - - - - 186
Methods of Instruction, - - - - - - - 188
Synopsis of the Medical Course, - - - - - 190
Departments of Instruction, - - - - - - - 191-211
Requirements for Graduation, - - - - - - 214
Final Examinations, - - - - - - - - 214
Honors, - - - - - - - - - - - 214
Scholarships, - - - - - - - - - 215
The Alumni Library, - - - - - - - - 215
The Hospital Quiz Class, - - - - - - - 216
The Summer School, - - - - - - - 216
Expenses, - - - - - - - - - - 218
Hospitals, - - - - - - - - - - - 220-228
THE LAW SCHOOL, - - - - - - - - - - 229-243
Faculty, - - - - - - - - - - 229
Location, - - - - - - - - - - 230
Requirements for Admission, - - - - - - 231-232
Courses of Instruction, - - - - - - - - 232-240
The Library, - - - - - - - - - - 240
Requirements for Degrees, - - - - - - - 240
Tuition Fees, - - - - - - - - - - 242
Prizes, - - - - - - - - - - 243
Scholarships, - - - - - - - - - - 243

Page.
THE SCHOOL OF PHARMACY, - - - - - - - 244-251
Faculty, - - - - - - - - - - - 244
Location and Equipment, - - - - - - 245
Terms and Vacations, - - - - - - - - 246
Requirements for Admission, - - - - - 246
Degrees, - - - - - - - - - - 248
Advanced Credits, - - - - - - - 249
Fees and Expenses, - - - - - - - 250
Employment for Students, - - - - - - 251
THE DENTAL SCHOOL, - - - - - - - - 252-276
Faculty, - - - - - - - - - - 252
Location and Equipment, - - - - - - 253
Requirements for Admission, - - - - - 254
Departments of Instruction, - - - - - 256-273
Requirements for Graduation, - - - - - 273
Fees and Expenses, - - - - - - - 275
THE SCHOOL OF MUSIC, - - - - - - - - 277-287
Faculty, - - - - - - - - - - 277
Location and Purpose, - - - - - - - 278
Requirements for Admission, - - - - 279
Schedule of Studies, - - - - - - - 280-284
Diplomas and Certificates, - - - - - - 284
Fees and Expenses, - - - - - - - 285
Preparatory Department, - - - - - - 287
THE ACADEMIES, - - - - - - - - - 288-293
Northwestern Academy, - - - - - - 288
Grand Prairie Seminary, - - - - - - 290
Elgin Academy, - - - - - - - - 292
THE SCHOOLS OF THEOLOGY, - - - - - - 294-303
Garrett Biblical Institute, - - - - - - - 294-301
Faculty, - - - - - - - - - - 294
Requirements for Admission, - - - - - 295
Courses of Study, - - - - - - - - 297
Expenses, - - - - - - - - - 301
Norwegian-Danish Theological School, - - - 302
Swedish Theological Seminary, - - - - - 303
CATALOGUE OF STUDENTS, - - - - - - - 304
DEGREES, PRIZES, AND HONORS FOR THE YEAR 1902-03, - 386
GENERAL ALUMNI ASSOCIATIONS, - - - - - 398
SUMMARY OF STUDENTS IN ATTENDANCE, - - - - 404
INDEX, - - - - - - - - - - - 406

1904

JANUARY.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

FEBRUARY.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	..	..	..	..	..

MARCH.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

APRIL.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

MAY.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

JUNE.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

JULY.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

AUGUST.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..

SEPTEMBER.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..	..	..	..	..	..	..

OCTOBER.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

NOVEMBER.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

DECEMBER.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

1905

JANUARY.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

FEBRUARY.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	..	..	..	..
..	..	..	..	..	..	..

MARCH.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

APRIL.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

MAY.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

JUNE.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..	..	..	..	..	..	..

JULY.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

AUGUST.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

SEPTEMBER.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

OCTOBER.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

NOVEMBER.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

DECEMBER.

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

CALENDAR FOR 1904-1905.

THE COLLEGE OF LIBERAL ARTS.

1904.

January 28,	Thursday, **Founders' Day.** Day of Prayer for Colleges.
February 3,	Wednesday, Regular Mid-year Examinations begin.
February 11,	Thursday, Additional Examinations.
February 12,	Friday, **Second Semester begins.**
February 15,	Monday, Second Examinations.
February 16, 17, 18,	Tuesday, Wednesday, Thursday, Registration Days.
February 16,	Tuesday, Class-work resumed, 8 o'clock A.M.
February 19,	Friday, Sargent Prize Contest.
February 22,	Monday, Washington's Birthday.

EASTER RECESS, FROM FRIDAY, APRIL 1, TO MONDAY, APRIL 4, INCLUSIVE.

April 4,	Monday, Second Examinations.
April 23,	Saturday, Last day for the presentation of theses for Advanced Degrees.
May 2,	Monday, Last day for the presentation of Harris Prize theses.
May 21,	Saturday, Examination of candidates for Advanced Degrees.
May 30,	Monday, Memorial Day.
June 1,	Wednesday, Regular Examinations begin.
June 10,	Friday, Additional Examinations.
June 12,	Sunday, Baccalaureate Address.
June 13, 14,	Monday and Tuesday, Examinations for Admission.
June 13,	Monday, Kirk Prize Oratorical Contest.
June 14,	Tuesday, Meeting of the Board of Trustees. Annual Meeting of the Phi Beta Kappa Society.
June 15,	Wednesday, Meeting of the Alumni Association.
June 16,	Thursday, **Forty-Sixth Commencement.**

SUMMER VACATION, FROM FRIDAY, JUNE 17, TO SUNDAY, SEPTEMBER 18, INCLUSIVE.

September 19,	Monday, **Academic Year 1904-05 begins.**
September 19, 20,	Monday and Tuesday, Examinations for Admission.
September 20, 21, 22,	Tuesday, Wednesday, Thursday, Registration Days.
September 21,	Wednesday, Second Examinations.
September 22,	Thursday, Class-work begins, 8 o'clock A. M.

THANKSGIVING RECESS, FROM THURSDAY, NOVEMBER 24, TO SUNDAY, NOVEMBER 27, INCLUSIVE.

CHRISTMAS RECESS, FROM FRIDAY, DECEMBER 23, TO MONDAY, JANUARY 2, INCLUSIVE.

1905.

January 26,	Thursday, Day of Prayer for Colleges.
January 28,	Saturday, **Founders' Day.**
February 1,	Wednesday, Regular Mid-year Examinations begin.
February 9,	Thursday, Additional Examinations.
February 10,	Friday, **Second Semester begins.**
February 13,	Monday, Second Examinations.
February 14, 15, 16,	Tuesday, Wednesday, Thursday, Registration Days.
February 14,	Tuesday, Class-work resumed, 8 o'clock A. M.
February 17,	Friday, Sargent Prize Contest.
February 22,	Wednesday, Washington's Birthday.

EASTER RECESS, FROM FRIDAY, APRIL 21, TO MONDAY, APRIL 24, INCLUSIVE.

April 22,	Saturday, Last day for the presentation of theses for Advanced Degrees.
April 24,	Monday, Second Examinations.
May 1,	Monday, Presentation of Harris Prize theses.
May 20,	Saturday, Examination of candidates for Advanced Degrees.
May 30,	Tuesday, Memorial Day.
May 31,	Wednesday, Regular Examinations begin.
June 9,	Friday, Additional Examinations.
June 11,	Sunday, Baccalaureate Address.
June 12, 13,	Monday and Tuesday, Examinations for Admission.
June 12,	Monday, Kirk Prize Oratorical Contest.

June 13, Tuesday, Meeting of the Board of Trustees. Annual Meeting of the Phi Beta Kappa Society.
June 14, Wednesday, Alumni Day.
June 15, Thursday, **Forty-Seventh Commencement.**

THE MEDICAL SCHOOL.

1904.

January 4, Monday, Christmas Vacation ends.
January 28, Thursday, **Founders' Day.**
February 1, Monday, First Semester Examinations begin.
February 8, Monday, **Second Semester begins.**
February 22, Monday, Washington's Birthday.
May 30, Monday, Second Semester Examinations begin.
June 13, 14, Monday and Tuesday, Examination for Admission at the College of Liberal Arts.
June 15, Wednesday, Meeting of the Alumni Association, Davis Hall.
June 16, Thursday, **Commencement Day.**

SUMMER VACATION, FROM FRIDAY, JUNE 17, TO MONDAY, OCTOBER 3, INCLUSIVE.

September 30, Friday, Examinations for Conditioned Students begin.
October 3, Monday, Examinations for Admission.
October 4, Tuesday, **Academic Year 1904–05 begins.**
November 24, Thursday, Thanksgiving Day.

CHRISTMAS RECESS, FROM THURSDAY, DECEMBER 22, TO WEDNESDAY, JANUARY 4, INCLUSIVE.

1905.

January 28, Saturday, **Founders' Day.**
January 30, Monday, First Semester Examinations begin.
February 6, Monday, **Second Semester begins.**
February 22, Wednesday, Washington's Birthday.
May 29, Monday, Second Semester Examinations begin.
June 12, 13, Monday and Tuesday, Examination for Admission at the College of Liberal Arts.
June 14, Wednesday, Meeting of the Alumni Association, Davis Hall.
June 15, Thursday, **Commencement Day.**

THE LAW SCHOOL.

1904.

January 4, Monday, Christmas Recess ends, lectures begin.
January 28, Thursday, **Founders' Day.** Lectures for the First Semester close.
February 1, Monday, First Semester Examinations begin.
February 8, Monday, **Second Semester begins.**
February 22, Monday, Washington's Birthday.
May 21, Saturday, Lectures for the Second Semester close.
May 26, Thursday, Second Semester Examinations begin.
June 16, Thursday, **Commencement Day.**

SUMMER VACATION, FROM FRIDAY, JUNE 17, TO SUNDAY, SEPTEMBER 18, INCLUSIVE.

September 19, Monday, Registration Day for new students.
September 20, Tuesday, Registration Day for applicants for Advanced Standing.
September 21, Wednesday, Registration Day for other students.
September 22, Thursday, **First Semester begins.**

THANKSGIVING RECESS, FROM THURSDAY, NOVEMBER 24, TO SUNDAY, NOVEMBER 27, INCLUSIVE.

CHRISTMAS RECESS, FROM THURSDAY, DECEMBER 22, TO WEDNESDAY, JANUARY 4, INCLUSIVE.

1905.

January 26, Thursday, Lectures for the First Semester close.
January 28, Saturday, **Founders' Day.**
January 30, Monday, First Semester Examinations begin.
February 6, Monday, **Second Semester begins.**
February 22, Wednesday, Washington's Birthday.
May 20, Saturday, Lectures for the Second Semester close.
May 25, Thursday, Second Semester Examinations begin.
June 15, Thursday, **Commencement Day.**

THE SCHOOL OF PHARMACY.

1904.

January 5, Tuesday, Registration for the Winter Term.
January 7, Thursday, Laboratories opened.
January 28, Thursday, **Founders' Day.**
April 11, Monday, Examinations for the Winter Term begin.
April 12, Tuesday, Registration for the Spring Term.
April 14, Thursday, Laboratories opened.
April 19, Tuesday, **Graduating Exercises.**
July 18, Monday, Examinations for the Spring Term begin.
July 26, Tuesday, **Graduating Exercises.**
September 13, Tuesday, Registration for the Fall Term.
September 15, Thursday, Laboratories opened.
December 12, Monday, Examinations for the Fall Term begin.
December 20, Tuesday, **Graduating Exercises.**

1905.

January 3, Tuesday, Registration for the Winter Term.
January 5, Thursday, Laboratories opened.
January 28, Saturday, **Founders' Day.**
April 10, Monday, Examinations for the Winter Term begin.
April 11, Tuesday, Registration for the Spring Term.
April 13, Thursday, Laboratories opened.
April 18, Tuesday, **Graduating Exercises.**
July 17, Monday, Examinations for the Spring Term begin.
July 25, Tuesday, **Graduating Exercises.**
September 12, Tuesday, Registration for the Fall Term.

THE DENTAL SCHOOL.

1904.

January 4, Monday, Christmas Vacation ends.
January 18, Monday, Mid-term Examinations begin.
January 25, Monday, **Second Semester begins.**
January 28, Thursday, **Founders' Day.**
April 18, Monday, Senior Examinations begin.
April 25, Monday, Lower Class Examinations begin.
May 5, Thursday, **Graduating Exercises.**

October 1,	Saturday, Examination of Credentials for Admission begins.
October 5,	Wednesday, **Academic year 1904-05 begins,** Examinations for Advanced Standing begin.
November 24,	Thursday, Thanksgiving Day.

CHRISTMAS RECESS, FROM THURSDAY, DECEMBER 22, TO WEDNESDAY, JANUARY 4, INCLUSIVE.

January 16,	Monday, Mid-term Examinations begin.
January 23,	Monday, **Second Semester begins.**
January 28,	Saturday, **Founders' Day.**
April 17,	Monday, Senior Examinations begin.
April 24,	Monday, Lower Class Examinations begin.
May 4,	Thursday, **Graduating Exercises**

THE SCHOOL OF MUSIC.

1904.	
January 28,	Thursday, **Founders' Day,** Day of Prayer for Colleges.
February 4,	Thursday, Regular Examinations begin.
February 10,	Wednesday, Second Term ends.
February 11,	Thursday, Third Term begins.
April 13,	Wednesday, Third Term ends.
April 14,	Thursday, Fourth Term begins.
June 3,	Friday, Regular Examinations begin.
June 9,	Thursday, **Annual Concert and Graduating Exercises.**
June 15,	Wednesday, Fourth Term ends.

SUMMER VACATION, FROM FRIDAY, JUNE 17, TO MONDAY, SEPTEMBER 19, INCLUSIVE.

September 20, 21,	Tuesday and Wednesday, Examinations for Admission to Regular Courses.
September 22,	Thursday, First Term begins.
November 23,	Wednesday, First Term ends.

THANKSGIVING RECESS, FROM THURSDAY, NOVEMBER 24, TO SUNDAY, NOVEMBER 27, INCLUSIVE.

November 28,	Monday, Second Term begins.

CHRISTMAS RECESS, FROM SATURDAY, DECEMBER 24, TO WEDNESDAY, JANUARY 4, INCLUSIVE.

1905.

January 26, Thursday, Day of Prayer for Colleges.
January 28, Saturday, **Founders' Day.**
February 1, Wednesday, Regular Examinations begin.
February 8, Wednesday, Second Term ends.
February 9, Thursday, Third Term begins.
April 12, Wednesday, Third Term ends.
April 13, Thursday, Fourth Term begins.
June 1, Thursday, Regular Examinations begin.
June 8, Thursday, **Annual Concert and Graduating Exercises.**
June 14, Wednesday, Fourth Term ends.

GARRETT BIBLICAL INSTITUTE.

1904.

January 11, Monday, Christmas Recess closes.
January 12, Tuesday, **Second Term begins.**
April 27, Wednesday, **Commencement Day.**

SUMMER VACATION, FROM THURSDAY, APRIL 28, TO TUESDAY, SEPTEMBER 27, INCLUSIVE.

September 28, Wednesday, Registration Day.
September 29, Thursday, **First Term begins.**

CHRISTMAS RECESS, FROM FRIDAY, DECEMBER 23, TO MONDAY, JANUARY 2, INCLUSIVE.

1905.

January 10, Tuesday, **Second Term begins.**

DEPARTMENTS OF THE UNIVERSITY.

The University comprises the following departments, each having a distinct Faculty of Instruction:

The College of Liberal Arts.
The Medical School.
The Law School.
The School of Pharmacy.
The Dental School.
The School of Music.

The College of Liberal Arts and the School of Music are in Evanston; the professional schools are in Chicago.

The University maintains the following non-degree-conferring departments:

The Academy, at Evanston.
Grand Prairie Seminary, at Onarga, Illinois.
The Elgin Academy, at Elgin, Illinois.

The Cumnock School of Oratory is conducted on the University campus.

Garrett Biblical Institute, a theological school established on its own foundation and under separate management, is located on the college campus, and is in close coöperation with the University. The Norwegian-Danish Theological School is affiliated with the Institute. The Swedish Theological Seminary is also located on the college campus.

Evanston is the suburb of Chicago adjoining it on the north and stretching along the shore of Lake Michigan for some four miles. It has a population of about twenty thousand. The college campus is a little over two miles from the northern limits of Chicago, and lies directly on the lake shore. The charter of the University prohibits the sale of intoxicating liquors within four miles of the University.

ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

President, EDMUND JANES JAMES, PH.D., LL.D.,
Office, University Hall, Evanston.
Chicago Office, Northwestern University Building, Lake and Dearborn Streets, Chicago.

Business Manager, WILLIAM ANDREW DYCHE, A.M.,
Office, 518 Davis Street, Evanston.
Chicago Office, Northwestern University Building, Lake and Dearborn Streets, Chicago.

COLLEGE OF LIBERAL ARTS.

Dean, THOMAS FRANKLIN HOLGATE, PH.D.,
Registrar, ARTHUR HERBERT WILDE, PH.D.,
Offices, University Hall, Evanston.

MEDICAL SCHOOL.

Dean, NATHAN SMITH DAVIS, JR., A.M., M.D.,
Junior Dean, WINFIELD SCOTT HALL, A.M., M.D., PH.D.,
Secretary, ARTHUR ROBIN EDWARDS, A.M., M.D.,
Offices, 2431 Dearborn Street, Chicago.

LAW SCHOOL.

Dean, JOHN HENRY WIGMORE, A.M., LL.B.,
Secretary, FREDERICK BEERS CROSSLEY, LL.B.,
Offices, Northwestern University Building, Lake and Dearborn Streets, Chicago.

SCHOOL OF PHARMACY.

Dean, OSCAR OLDBERG, PHARM. D.,
Secretary, DAVID CHARLES ECCLES, A.M.,
Offices, Northwestern University Building, Lake and Dearborn Streets, Chicago.

DENTAL SCHOOL.

Dean, GREENE VARDIMAN BLACK, M.D., LL.D.,
Secretary, WILLIAM EDWARD HARPER, D.D.S., resigned.,
CHARLES R. E. KOCH, D.D.S.,
Offices, Northwestern University Building, Lake and Dearborn Streets, Chicago.

SCHOOL OF MUSIC.

Dean, PETER CHRISTIAN LUTKIN, MUS. D.
Secretary, IRVING HAMLIN.
Offices, Music Hall, Evanston.

THE ACADEMY.

Principal, REVEREND HERBERT FRANKLIN FISK, D.D., LL.D.
Office, Fisk Hall, Evanston.

GRAND PRAIRIE SEMINARY.

Principal, REVEREND FRANCIS GEORGE BARNES, D.D.
Address, Onarga, Illinois.

THE ELGIN ACADEMY.

Principal, GEORGE NEWTON SLEIGHT, A.B.
Address, Elgin, Illinois.

GARRETT BIBLICAL INSTITUTE.

President, REVEREND CHARLES JOSEPH LITTLE, PH.D., LL.D.
Registrar, REVEREND SOLON CARY BRONSON, D.D
Offices, Memorial Hall, Evanston.

THE CORPORATION.

OFFICERS.

William Deering, - - - - - - - - President.
Oliver Harvey Horton, LL.D., - - First Vice-President.
Humphrys Henry Clay Miller, A. M., - Second Vice-President..
Frank Philip Crandon, A.M., - - - - - Secretary.
John Richard Lindgren, - - - - - - Treasurer.
William Andrew Dyche, A.M., - - - Business Manager.

TRUSTEES.

term expires in 1904.

Robert Dickinson Sheppard, A.M., D.D., - - - Evanston.
Josiah J. Parkhurst, - - - - - - - - Evanston.
Frank Orren Lowden, A.B., LL.B., - - - - Chicago.
David McWilliams, - - - - - - - - Dwight.
Charles Pinckney Wheeler, A.M., - - - - Evanston.
Cornelia Grey Lunt, - - - - - - - - Evanston.
Henry Howard Gage, - - - - - - - - Evanston.
Lyman Judson Gage, - - - - - - - - New York.
Edward F. Swift, - - - - - - - - Chicago.

term expires in 1905.

Norman Waite Harris, - - - - - - - - Chicago.
Nathan Smith Davis, Jr., A.M., M.D., - - - - Chicago.
Harvey Bostwick Hurd, LL.D., - - - - - Evanston.
John Richard Lindgren, - - - - - - Evanston.
Humphrys Henry Clay Miller, A.M., - - - - Evanston.
Elbert Henry Gary, - - - - - - - - New York.
Milton Hollyday Wilson, - - - - - - Evanston.
Alexander Hamilton Revell, - - - - - - Chicago.
Henry Sherman Boutell, A.M., - - - - - Chicago.

term expires in 1906.

Nathan Smith Davis, M.D., LL.D., - - - - Chicago.
Henry Sargent Towle, LL.B., - - - - - Chicago.
Harlow Niles Higinbotham, - - - - - Chicago.
Charles Bowen Congdon, - - - - - - - Evanston.
James A. Patten, - - - - - - - - Evanston.

CHARLES T. BOYNTON, - - - - - - - - Evanston.
WILLIAM H. HENKLE, - - - - - - - - Chicago.
GEORGE PECK MERRICK, LL.B., - - - - - - Evanston.
EDMUND JANES JAMES, PH.D., LL.D., - - - - Evanston.

TERM EXPIRES IN 1907.

OLIVER HARVEY HORTON, LL.D., - - - - - Chicago.
WILLIAM DEERING, - - - - - - - - Evanston.
MERRITT CALDWELL BRAGDON, A.M., M.D., - - - Evanston.
*MARY RAYMOND SHUMWAY, - - - - - - Evanston.
JAMES BARTLETT HOBBS, - - - - - - - Chicago.
FRANK PHILIP CRANDON, A.M., - - - - - Evanston.
LORIN CONE COLLINS, A.M., - - - - - - Chicago.
WILLIAM ANDREW DYCHE, A.M., - - - - - Evanston.
PERLEY LOWE, - - - - - - - - - - Chicago.

ELECTED BY CONFERENCES.

ROCK RIVER.

JOHN PATRICK BRUSHINGHAM, A.M., D.D., - - - Chicago.
JOSEPH THING LADD, A.M., D.D., - - - - - - Elgin.

DETROIT.

JOSEPH FLINTOFT BERRY, D.D., - - - - - - Chicago.

CENTRAL ILLINOIS.

GEORGE RUTLEDGE PALMER, A.M., D.D., - - - - Onarga.
JACOB WELLINGTON FRIZZELLE, A.M., B.D., - - Rock Island.

MICHIGAN.

EDWARD GEORGE LEWIS, S.T.B., D.D., - - Grand Rapids.
WILLIAM ALBERT FRYE, D.D., - - - - - Lansing, Mich.

GENERAL EXECUTIVE COMMITTEE.

WILLIAM DEERING.
OLIVER H. HORTON.
FRANK PHILIP CRANDON.
H. H. C. MILLER.
NATHAN S. DAVIS, JR.
ROBERT DICKINSON SHEPPARD.
JAMES A. PATTEN.
CHARLES T. BOYNTON.
JOHN RICHARD LINDGREN.
JOSIAH J. PARKHURST.
MILTON HOLLYDAY WILSON.
JAMES B. HOBBS.
WILLIAM A. DYCHE.
HENRY HOWARD GAGE.
CHARLES P. WHEELER.
GEORGE P. MERRICK.
EDMUND JANES JAMES.

* Deceased December 22, 1903.

STANDING COMMITTEES OF THE BOARD OF TRUSTEES.

Committee on the Report of the President of the University—Messrs. HORTON, BOUTELL, BERRY, and MERRICK.

Committee on the Treasurer's Report and Finances, and on the Business Manager's Report—Messrs. HARRIS, WILSON, HIGINBOTHAM, LINDGREN, and HENKLE.

Committee on the College of Liberal Arts—Messrs. MILLER, DAVIS, JR., LADD, and WHEELER.

Committee on the Medical School—Messrs. DAVIS, SR., HARRIS, DYCHE, and BOYNTON.

Committee on the Law School—Messrs. TOWLE, COLLINS, GARY, MILLER, and HURD.

Committee on the School of Pharmacy—Messrs. REVELL, TOWLE, PARKHURST, and FRIZZELLE.

Committee on the Dental School—Messrs. SHEPPARD, DYCHE, CRANDON, and LOWE.

Committee on the School of Music—Miss LUNT, Messrs. MILLER, PATTEN, and CONGDON.

Committee on University Dormitories and Willard Hall—Mr. CRANDON, Miss LUNT, and Mr. PATTEN.

Committee on the Academy—Messrs. PARKHURST, SHEPPARD, BRAGDON, WHEELER, and CONGDON.

Committee on the Library—Messrs. BRUSHINGHAM, LEWIS, BRAGDON, and MERRICK.

Committee on Real Estate—Messrs. H. H. GAGE, PARKHURST, DYCHE, BOYNTON, LOWE, and MCWILLIAMS.

Committee on the Nomination of Trustees and Officers—Messrs. HOBBS, WILSON, HORTON, CRANDON, and SHEPPARD.

Committee on Miscellaneous Matters—Messrs. BERRY, LADD, and MCWILLIAMS.

The President of the University is *ex-officio* a member of all Committees.

UNIVERSITY COUNCIL.

EDMUND JANES JAMES, PH.D., LL.D., *President.*

COLLEGE OF LIBERAL ARTS.

DANIEL BONBRIGHT, LL.D.
THOMAS FRANKLIN HOLGATE, PH.D.

MEDICAL SCHOOL.

NATHAN SMITH DAVIS, JR., A.M., M.D.
JOHN HARPER LONG, M.S., SC.D.

LAW SCHOOL.

JOHN HENRY WIGMORE, A.M., LL.B.
HENRY SCHOFIELD, A.M., LL.B.

SCHOOL OF PHARMACY.

OSCAR OLDBERG, PHARM.D.
HARRY MANN GORDIN, PH.D.

DENTAL SCHOOL.

GREENE VARDIMAN BLACK, M.D., D.D.S., LL.D.
WILLIAM EDWARD HARPER, D.D.S.

SCHOOL OF MUSIC.

PETER CHRISTIAN LUTKIN, MUS.D.
HAROLD EVERARD KNAPP.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

EDMUND JANES JAMES, PH.D., LL.D., 2204 Orrington Av., Evanston.
President.

PROFESSORS AND ASSISTANT PROFESSORS.

SAMUEL ADAMS, A.B., LL.B., - Monadnock Bldg., Chicago.
Professor in the Law of Pleading and Procedure, Law School.

FRANK ALLPORT, M.D., - - - - 92 State St., Chicago.
Professor of Clinical Ophthalmology and Otology, Medical School.

*EDMUND ANDREWS, A.M., M.D., LL.D.
Professor Emeritus of Clinical Surgery, Medical School.

EDWARD WYLLYS ANDREWS, A.M., M.D., 100 State St., Chicago.
Professor of Clinical Surgery, Medical School.

FRANK TAYLOR ANDREWS, A.M., M.D., - 100 State St., Chicago.
Professor of Clinical Gynecology, Medical School.

CHARLES BEACH ATWELL, PH.M., 1938 Sherman Ave., Evanston.
Professor of Botany, College of Liberal Arts.

EDOUARD PAUL BAILLOT, L.H.D., - 718 Emerson St., Evanston.
Professor of Romance Languages.

ROBERT BAIRD, A.M., LL.D., - 2206 Sheridan Road, Evanston.
Professor of Greek Language and Literature.

OTTO RAYMOND BARNETT, LL.B., - - - Monadnock Bldg.
Associate Professor in the Law of Patents, Law School.

OLIN HANSON BASQUIN, PH.D., - 1911 Asbury Ave., Evanston.
Associate Professor of Physics.

GREENE VARDIMAN BLACK, M.D., D.D.S., Sc.D., LL.D.,
4465 Oakenwald Ave., Chicago.
Professor of Operative Dentistry, Pathology, and Bacteriology, Dean of the Dental School.

DANIEL BONBRIGHT, LL.D., - 1838 Chicago Ave., Evanston.
John Evans Professor of Latin Language and Literature, Dean Emeritus of the College of Liberal Arts.

* Deceased January 22, 1904.

Solon Cary Bronson, D.D., - - 720 Foster St., Evanston.
Cornelia Miller Professor of Practical Theology, Registrar in Garrett Biblical Institute.

Peter Thomas Burns, M.D., - 531 S. Leavitt St., Chicago.
Assistant Professor of Anatomy and Director of the Anatomical Laboratory, Medical School.

William Evans Casselberry, M.D., 34 Washington St., Chicago.
Professor of Laryngology and Rhinology, Medical School.

Archibald Church, M.D., - - 804 Pullman Bldg., Chicago.
Professor of Nervous and Mental Diseases and Medical Jurisprudence, Medical School.

J. Scott Clark, Lit.D., - - 2114 Sheridan Rd., Evanston.
Professor of English Language.

George Albert Coe, Ph.D., - 620 University Place, Evanston.
John Evans Professor of Moral and Intellectual Philosophy.

Saidee Knowland Coe, - 620 University Place, Evanston.
Professor of Piano and Musical History, School of Music.

Henry Crew, Ph.D., - - - 620 Hamline St., Evanston.
Fayerweather Professor of Physics.

Alja Robinson Crook, Ph.D., - 725 Emerson St., Evanston.
Professor of Mineralogy and Economic Geology.

Martha Foote Crow, Ph.D., - - Willard Hall, Evanston.
Dean of Women, Assistant Professor of English Literature.

Robert McLean Cumnock, A.M., L.H.D.,
1804 Hinman Ave., Evanston.
Professor of Rhetoric and Elocution in the College of Liberal Arts and in Garrett Biblical Institute.

George Oliver Curme, A.M., - 2237 Sherman Ave., Evanston.
Professor of Germanic Philology.

Nathan Smith Davis, A.M., M.D., LL.D., 65 Randolph St., Chicago.
Professor of the Principles and Practice of Medicine and of Clinical Medicine, Dean Emeritus of the Medical School.

Nathan Smith Davis, Jr., A.M., M.D., 65 Randolph St., Chicago.
Professor of the Principles and Practice of Medicine and of Clinical Medicine, Dean of the Medical School.

Joseph Bolivar DeLee, M.D., - 3632 Prairie Ave., Chicago.
Professor of Obstetrics, Medical School.

Louis Lee Dent, A.B., - - The Rookery, Chicago.
Professor in the Law of Equity Pleading and Practice, Law School.

GEORGE AMOS DORSEY, PH.D., Field Columbian Museum, Chicago.
Professor of Comparative Anatomy, Dental School.

EMILIUS CLARK DUDLEY, A.M., M.D., 1617 Indiana Ave., Chicago.
Professor of Gynecology, Medical School.

WILLIAM HENRY DYRENFORTH, LL.B., Monadnock Building, Chicago.
Professor in the Law of Patent Practice, Law School.

ARTHUR ROBIN EDWARDS, A.M., M.D., - 103 State St., Chicago.
Professor of the Principles and Practice of Medicine and of Clinical Medicine, Secretary of the Faculty of the Medical School.

FREDERICK CARL EISELEN, A.M., B.D., 724 Emerson St., Evanston.
Professor of Semitic Languages and Old Testament Exegesis, Garrett Biblical Institute.

ALBERT ERICSON, A.M., - - 2118 Orrington Ave., Evanston.
Instructor in the Swedish Language, College of Liberal Arts, President of the Swedish Theological Seminary.

HERBERT FRANKLIN FISK, D.D., LL.D., 1625 Judson Ave., Evanston.
Professor of Pedagogics.

LESTER EMANUEL FRANKENTHAL, M.D., 103 Randolph St., Chicago.
Professor of Clinical Gynecology, Medical School.

LEVI HARPER FULLER, B.S., LL.B., - 115 Dearborn St., Chicago.
Professor in the Law of Procedure and Practice, Law School.

JOHN EDWARD GEORGE, PH.D., - - University Hall, Evanston.
Assistant Professor of Political Economy.

THOMAS LEWIS GILMER, M.D., D.D.S., 31 Washington St., Chicago.
Professor of Oral Surgery, Dental School.

HARRY MANN GORDIN, PH.D., - - 87 Lake St., Chicago.
Professor of Organic Chemistry, School of Pharmacy.

HENRY GRADLE, M.D., - - - - 100 State St., Chicago.
Professor of Ophthalmology and Otology, Medical School.

ULYSSES SHERMAN GRANT, PH.D., 2123 Sherman Ave., Evanston.
William Deering Professor of Geology, Curator of the Museum.

JOHN HENRY GRAY, PH.D., - 1827 Orrington Ave., Evanston.
Professor of Political and Social Science.

LOUIS MAY GREELEY, A.B., - - Tacoma Building, Chicago.
Professor in the Law of Conveyancing, Law School.

VERNON JAMES HALL, PH.D., - - 617 Noyes St., Evanston.
Professor of Chemistry, Dental School.

WINFIELD SCOTT HALL, M.D., PH.D., 2431 Dearborn St., Chicago.
Davis Professor of Physiology, Junior Dean of the Medical School.

*WILLIAM EDWARD HARPER, D.D.S., 3556 Wabash Ave., Chicago.
Professor of Operative Technics and Assistant Professor of Operative Dentistry.

JAMES TAFT HATFIELD, PH.D., - 617 Foster St., Evanston.
Professor of German Language and Literature.

DOREMUS ALMY HAYES, S.T.B., PH.D., 730 Emerson St., Evanston.
Professor of New Testament Exegesis, Garrett Biblical Institute.

CHARLES HILL, M.D., PH.D., - 6330 Kimbark Ave., Chicago.
Assistant Professor of Histology and Embryology, Medical School, Instructor in Zoölogy, College of Liberal Arts.

THOMAS FRANKLIN HOLGATE, PH.D., 617 Hamline St., Evanston.
Professor of Applied Mathematics, Dean of the College of Liberal Arts.

JOHN HAMILCAR HOLLISTER, A.M., M.D., 36 Washington St., Chicago.
Professor Emeritus of Clinical Medicine, Medical School.

GEORGE WASHINGTON HOUGH, LL.D., 2237 Sheridan Rd., Evanston.
Professor of Astronomy, Director of Dearborn Observatory.

HARVEY BOSTWICK HURD, LL.D., - Borden Block, Chicago.
Professor Emeritus of Law, Law School.

CHARLES CHENEY HYDE, A.M., LL.B., - 135 Adams St., Chicago.
Assistant Professor of Law, Law School.

RALPH NELSON ISHAM, A.M., M.D., 321 Dearborn Ave., Chicago.
Professor Emeritus of Surgery and Clinical Surgery, Medical School.

JAMES ALTON JAMES, PH.D., - 2127 Orrington Ave., Evanston.
Professor of the History of Continental Europe.

FRANK SEWARD JOHNSON, A.M., M.D., 2521 Prairie Ave., Chicago.
Dean Emeritus and Professor of Medicine and Clinical Medicine, Medical School.

HARRY KAHN, PHARM.M., M.D., - 4705 Indiana Ave., Chicago.
Assistant Professor of Physiology and Materia Medica, School of Pharmacy.

ALBERT MARTIN KALES, A.B., LL.B., - 135 Adams St., Chicago.
Assistant Professor of Law, Law School.

HAROLD EVERARD KNAPP, - 218 Lunt Ave., Rogers Park, Chicago.
Professor of Violin and Ensemble Playing, School of Music.

* Resigned January 12, 1904.

JOHN HENRY SHELDON LEE, A.B., LL.B., - 164 Dearborn St.
Assistant Professor in the Law of Crimes and Criminal Procedure, Law School.

CHARLES CLARENCE LINTHICUM, LL.B., Monadnock Bldg., Chicago.
Professor in the Law of Patents, Law School.

CHARLES GEORGE LITTLE, B.S., LL.B., 1415 Marquette Bldg., Chicago.
Assistant Professor of Law, Law School.

CHARLES JOSEPH LITTLE, PH.D., LL.D., 2016 Sheridan Rd., Evanston.
Professor of Historical Theology, President of Garrett Biblical Institute.

WILLIAM ALBERT LOCY, PH.D., 1823 Hinman Ave., Evanston.
Professor of Zoölogy.

JOHN HARPER LONG, M.S., SC.D., 7748 Sangamon St., Chicago.
Professor of Chemistry and Director of the Chemical Laboratories, Medical School.

OMERA FLOYD LONG, PH.D., - Y. M. C. A. Bldg., Evanston.
Assistant Professor of Latin.

PETER CHRISTIAN LUTKIN, MUS.D., 1724 Asbury Ave., Evanston.
Professor of Music, Dean of the School of Music.

WILLIAM ALFRED MANN, M.D., - - 70 State St., Chicago.
Assistant Chemical Professor of Ophthalmology and Otology, Medical School.

ELGIN MAWHINNEY, DD.S., - - 87 Lake St., Chicago.
Professor of Special Pathology, Materia Medica, and Therapeutics, Dental School.

FREDERICK MENGE, M.D., - - 34 Washington St., Chicago.
Assistant Professor of Laryngology and Rhinology, Medical School.

CHARLES HENDERSON MILLER, M.D., 6349 Jackson Ave., Chicago.
Assistant Professor of Pharmacology, Medical School.

MAURICE ASHBEL MINER, PHARM.M., 6446 Lexington Ave., Chicago.
Assistant Professor of Pharmacy.

CHARLES LOUIS MIX, A.M., M.D., 3035 So. Park Ave., Chicago.
Professor of Physical Diagnosis and Assistant Professor of Anatomy, Medical School. Professor of Anatomy, Dental School.

WILLIAM EDWARD MORGAN, M.D., 3000 Michigan Ave., Chicago.
Professor of Clinical Surgery, Medical School.

JOHN BENJAMIN MURPHY, A.M., M.D., LL.D., 100 State St., Chicago.
Professor of Surgery and of Clinical Surgery, Medical School.

EDMUND NOYES, D.D.S., - - 1109 Stewart Bldg., Chicago.
Professor of Dental Jurisprudence and Ethics, Dental School.

FREDERICK BOGUE NOYES, A.B., DD.S., 1109 Stewart Bldg., Chicago.
Professor of Histology, Dental School.

ARNE OLDBERG, - - - 1101 Maple Ave., Evanston.
Professor of Piano and Composition, School of Music.

OSCAR OLDBERG, PHARM.D., - - - 87 Lake St., Chicago.
Professor of Pharmacy and Director of the Laboratories, Dean of the School of Pharmacy.

JOHN EDWIN OWENS, M.D., - - Lexington Hotel, Chicago.
Professor of Surgery and Clinical Surgery, Medical School.

LUCIUS CROCKER PARDEE, M.D., - 34 Washington St., Chicago.
Assistant Professor of Skin and Venereal Diseases, Medical School.

HUGH TALBOT PATRICK, M.D., - 465 LaSalle Ave., Chicago.
Clinical Professor of Nervous Diseases, Medical School.

AMOS WILLIAM PATTEN, A.M., D.D., - 616 Foster St., Evanston.
Professor of Biblical Instruction.

CHARLES WAGGENER PATTERSON, B.S., PH.C., 194 37th St., Chicago.
Assistant Professor of Analytical Pharmaceutical Chemistry, Registrar School of Pharmacy.

SAMUEL CRAIG PLUMMER, JR., A.M., M.D., 4304 Lake Ave., Chicago.
Professor of Surgical Anatomy and Operative Surgery, Medical School.

RAYMOND H. POND, - - - - - 87 Lake St., Chicago.
Professor of Botany and Pharmacognosy, Recorder School of Pharmacy.

ROBERT BRUCE PREBLE, A.B., M.D., - -103 State St., Chicago.
Professor of Medicine, Medical School.

JAMES HARRISON PROTHERO, D.D.S., 3626 Forest Ave., Chicago.
Professor of Prosthetic Technics, Prosthetic Dentistry and Metallurgy, Dental School.

WILLIAM EDWARD QUINE, M.D., - - 103 State St., Chicago.
Professor Emeritus of Physiology, Therapeutics, and Toxicology, School of Pharmacy.

CHARLES BERT REED, M.D., - - - 103 State St., Chicago.
Assistant Professor of Obstetrics, Medical School.

JOHN RIDLON, A.M., M.D., - - - 92 State St., Chicago.
Professor of Orthopedic Surgery, Medical School

EDWARD OSCAR F. ROLER, A.M., M.D., 2330 Indiana Ave., Chicago.
Professor Emeritus of Obstetrics, Medical School.

Louis Ernest Schmidt, M.S., M.D., - 424 N. State St., Chicago.
Clinical Professor of Genito-Urinary Surgery.

Henry Schofield, A.M., LL.B., - - 87 Lake St., Chicago.
Professor of Law, Law School.

William Edward Schroeder, M.D., - 103 State St., Chicago.
Professor of Surgery and of Clinical Surgery, Medical School.

John Adams Scott, Ph.D., - 2030 Orrington Ave., Evanston.
Professor of Greek Language and Literature.

Walter Dill Scott, Ph.D., - - 714 Foster St., Evanston.
Assistant Professor of Psychology and Pedagogy and Director of the Psychological Laboratory.

Nathaniel Clinton Sears, A.M., LL.D., 135 Adams St., Chicago.
Professor in the Law of Procedure and Practice, Law School.

Robert Dickinson Sheppard, A.M., D.D.,
225 Greenwood Blvd., Evanston.
Professor of American and English History.

Nels Edward Simonsen, A.M., D.D., 2243 Orrington Ave., Evanston.
Instructor in Norwegian and Danish, Principal of the Norwegian-Danish Theological School.

Horace Mann Starkey, M.D., - - 70 State St., Chicago.
Professor of Clinical Ophthalmology and Otology, Medical School.

Charles Macaulay Stuart, A.M., D.D., 726 Emerson St., Evanston.
Professor of Sacred Rhetoric, Secretary in Garrett Biblical Institute.

Milton Spenser Terry, A.M., D.D., LL.D.,
1814 Hinman Ave., Evanston.
Professor of Christian Doctrine, Librarian in Garrett Biblical Institute.

Ashley Horace Thorndike, Ph.D., 2147 Sherman Ave., Evanston.
Professor of English Literature.

Weller Van Hook, A.B., M.D., - - 103 State St., Chicago.
Professor of Surgery and Clinical Surgery, Medical School.

Frank Xavier Walls, M.D., - - 103 State St., Chicago.
Professor of Clinical Pediatrics, Medical School.

Thomas James Watkins, M.D., - 1800 Michigan Ave., Chicago.
Professor of Clinical Gynecology, Medical School.

George Washington Webster, M.D., - 70 State St., Chicago.
Professor of Clinical Medicine, Medical School.

HENRY SEELY WHITE, PH.D., - 619 University Place, Evanston.
Henry S. Noyes Professor of Pure Mathematics.

THEODORE WHITTELSEY, PH.D., - 1302 Hinman Ave., Evanston.
Professor of General and Analytic Inorganic Chemistry, School of Pharmacy.

TWING BROOKS WIGGIN, M.D., - - Reliance Bldg., Chicago.
Professor of Physiology and Pathology, Dental School.

JOHN HENRY WIGMORE, A.M., LL.B., - 207 Lake St., Evanston.
Professor of Law, Dean of the Law School.

ARTHUR HERBERT WILDE, PH.D., - 1113 Ayars Place, Evanston.
Assistant Professor of History, Registrar College of Liberal Arts.

FREDERICK CAMPBELL WOODWARD, A.M., LL.M., 87 Lake St., Chicago.
Professor of Law.

ABRAM VAN EPS YOUNG, PH.B., - 522 Church St., Evanston.
Professor of Chemistry, College of Liberal Arts.

JOSEPH ZEISLER, M.D., - - - 100 State St., Chicago.
Professor of Skin and Venereal Diseases, Medical School.

FREDERIC ROBERT ZEIT, M.D., - 2431 Dearborn St., Chicago.
Professor of Pathology and Bacteriology, Medical School.

INSTRUCTORS.

WALTER STEELE BARNES, M.D., - 3000 Michigan Ave., Chicago.
Instructor in Gynecology, Medical School.

VICTOR H. BASSETT, M.D., - - 2431 Dearborn St., Chicago.
Instructor in Bacteriology.

GEORGE EDWIN BAXTER, PH.B., M.D., 1916 Evanston Ave., Chicago.
Instructor in General Pathology, Medical School.

FREDERICK ATWOOD BESLEY, M.D., - 1070 E. 61st St., Chicago.
Instructor in Surgery and Clinical Surgery, Medical School.

LEWIS RANDOLPH BLACKMAN, - - Steinway Hall, Chicago.
Instructor in Violin, School of Music.

ANDREW JACKSON BRISLEN, M.D., - 614 E. 46th St., Chicago.
Instructor in Clinical Orthopedic Surgery, Medical School.

COLEMAN GRAVES BUFORD, M.D., - 448 N. Clark St., Chicago.
Instructor in Clinical Surgery, Medical School.

FRANKLIN KIMBALL BURR, M.D., - 6100 Normal Ave., Chicago.
Instructor in Clinical Laryngology and Rhinology, Medical School.

*Horace Butterworth, Ph.B., - 716 Foster St., Evanston.
Instructor in Physical Culture and Director of the Gymnasium.

Margaret Cameron, - - - - - 1447 Dakin St., Chicago.
Instructor in Piano, School of Music.

John Gailey Campbell, A.M., M.D., 6857 Wentworth Ave., Chicago.
Instructor in Clinical Medicine, Medical School.

†Henry Benjamin Carey, B.S., - - 87 Lake St., Chicago.
Instructor in Botany and Pharmacography, School of Pharmacy.

Paul Chester, B.S., M.D., - - 6 E. 47th St., Chicago.
Instructor in Physical Diagnosis, Medical School.

Herman Churchill, A.M., - - 1916 Maple Ave., Evanston.
Instructor in English Language.

William Zephania Cole, - - 3529 Ellis Ave., Chicago.
Instructor in Flute, School of Music.

Harlan John Cozine, - - 263 La Salle Ave., Chicago.
Instructor in Voice Culture, Sight Reading, and Choral Music.

William Robert Cubbins, B.S., M.D., 3430 Rhodes Ave., Chicago.
Instructor in Clinical Surgery, Medical School.

Achilles Davis, Ph.B., M.D., - 5539 Indiana Ave., Chicago.
Instructor in Medicine, Medical School.

Louis Norton Dodge, - - 1724 Asbury Ave., Evanston.
Instructor in Piano and Theory, School of Music.

George Boyd Dyche, A.B., M.D., 5345 Washington Ave., Chicago.
Instructor in Medicine, Medical School.

David Charles Eccles, B.S., A.M., - 87 Lake St., Chicago.
Instructor in Pharmacy, Secretary School of Pharmacy.

Georg Edward, - - 4142 North Ashland Ave., Chicago.
Instructor in German.

Frederick Charles Eggert, M.D., - 5662 S. Halsted St., Chicago.
Instructor in Operative Surgery, Medical School.

Charles Addison Elliott, B.S., M.D., - 70 State St., Chicago.
Instructor in Clinical Medicine, Medical School.

Edson Brady Fowler, A.B., M.D., - 3359 Indiana Ave., Chicago.
Instructor in Clinical Medicine, Medical School.

Mary L. Freeman, A.M., - - - Willard Hall, Evanston.
Instructor in Romance Languages

* Resigned December 31, 1903.
† Resigned September 30, 1903.

ROBERT TRACY GILLMORE, M.D., - - 488 E. 63d St., Chicago.
Instructor in Gynecology, Medical School.

ALEXANDER AARON GOLDSMITH, M.D., 3749 Vincennes Ave., Chicago.
Instructor in Histopathology, Medical School.

FREDERICK R. GREEN, A.M., M.D., 6312 Greenwood Ave., Chicago.
Instructor and First Demonstrator in Anatomy, Medical School.

JULIUS GRINKER, M.D., - - - 667 N. Robey St., Chicago.
Instructor in Clinical Neurology, Medical School.

KARLETON HACKETT, - - - - 132 E. 50th St., Chicago.
Instructor in Voice Culture, School of Music.

WINFIELD SCOTT HARPOLE, M.D., - 103 State St., Chicago.
Instructor in Medicine, Medical School.

WILLIAM HEALY, A.B., M.D., - 1682 Sheridan Road, Chicago.
Instructor in Gynecology, Medical School.

D'ORSAY HECHT, M.D., - - 4304 Gd. Boulevard, Chicago.
Instructor in Clinical Neurology, Medical School.

CHARLES E. HORN, - - - 3304 Cottage Grove Ave., Chicago.
Instructor in Cornet, School of Music.

ALEXANDER PHILIP HORWITZ, M.D., 2441 Indiana Ave., Chicago.
Instructor in Clinical Ophthalmology and Otology, Medical School.

CHARLES MAYOR JACOBS, M.D., - - 103 State St., Chicago.
Instructor in Clinical Orthopedic Surgery, Medical School.

GERHARD H. JENSEN, B.S., - - - 87 Lake St., Chicago.
Instructor in Botany and Pharmacography, School of Pharmacy.

WILLIAM JOHNSON, PH.C., - - 2421 Dearborn St., Chicago.
Instructor in the Chemical Laboratory, Medical School.

ALLEN BUCKNER KANAVEL, PH.B., M.D., 6027 Prairie Ave., Chicago.
Instructor in Clinical Surgery, Medical School.

WALTER KELLER, - - - 2673 Winchester Ave., Chicago.
Instructor in Piano, School of Music.

OLIN CLAY KELLOGG, PH.D., - 2115 Sherman Ave., Evanston.
Instructor in English Language.

HERBERT GOVERT KEPPEL, PH.D., - 616 Foster St., Evanston.
Instructor in Mathematics.

ELLIS KIRK KERR, A.M., M.D., - - - Oak Park, Illinois.
Instructor in Medicine, Medical School.

CHARLES JOSEPH KING, - - - 884 Fulton St., Chicago.
Instructor in Clarinet, Oboe, and Bassoon, School of Music.

NINA SHUMWAY KNAPP, - - 1010 Ayars Place, Evanston.
Instructor in Piano, School of Music.

WILLIAM HENRY KNAPP, - - 1010 Ayars Place, Evanston.
Instructor in Voice Culture, School of Music.

GOTTFRIED KOEHLER, PH.G., M.D., - 2421 Dearborn St., Chicago.
Instructor in Clinical Pathology.

CHARLES J. KURTZ, A.M., M.D., - 4711 Indiana Ave., Chicago.
Instructor in Physiology, Medical School.

HENRY LE DAUM, A.M., - - 2011 Sherman Ave., Evanston.
Instructor in French.

GUSTAVE E. F. LUNDELL, B.S., - - 87 Lake St., Chicago.
Instructor in the Inorganic Chemical Laboratories, School of Pharmacy.

DAVID FALKNER MONASH, M.D., 3601 Vincennes Ave., Chicago.
Instructor in Obstetrics, Medical School.

PAUL FREDERICK MORF, M.D., - 318 Webster Ave., Chicago.
Instructor in Clinical Surgery, Medical School.

JAMES MITCHELL NEFF, M.D., - - 100 State St., Chicago.
Instructor in Clinical Surgery, Medical School.

JOHN PRICE ODELL, A.B., - - 820 Hamlin St., Evanston.
Instructor in English Language.

WILLIAM ABBOTT OLDFATHER, A.M., 581 Ingleside Place, Evanston.
Instructor in Latin and Greek.

JAMES NEWTON PEARCE, PH.M., Y. M. C. A. Building, Evanston.
Instructor in Chemistry, College of Liberal Arts.

JOHN J. RAPP, B.D., - - - - - - - - Evanston.
Instructor in Greek and Hebrew, Garrett Biblical Institute.

ISAAC DONALDSON RAWLINGS, M.D., - 92 State St., Chicago.
Instructor in Contagious Diseases at the Isolation Hospital.

ELIZABETH RAYMOND, - - 2235 Sherman Ave., Evanston.
Instructor in Piano, School of Music.

HARRY MORTIMER RICHTER, M.D., 6559 Cottage Grove Ave., Chicago.
Instructor in Clinical Surgery, Medical School.

HENRY EDWARD SAUER, B.S., M.D., - 100 State St., Chicago.
Instructor in Gynecology, Medical School.

MARCUS SIMPSON, PH.D., - - 518 Church St., Evanston.
Instructor in German.

WALFRIED SINGER, - - - 595 W. Harrison St., Chicago.
Instructor in Harp, School of Music.

ANTHONY STANKOWITCH, - 1916 Evanston Ave., Chicago.
Instructor in Piano and Clavier Method, School of Music.

ROBERT RICHARDSON TATNALL, PH.D., 1103 Ayars Place, Evanston.
Instructor in Physics.

ALFRED GEORGE WATHALL, - - 1802 Argyle Ave., Chicago.
Instructor in Harmony, School of Music.

JAMES FIELD WILLARD, PH.D., - 2003 Orrington Ave., Evanston.
Instructor in History.

DAY WILLIAMS, - - - - 1210 Wilton Ave., Chicago.
Instructor in Violincello, School of Music.

JOHN WESLEY YOUNG, A.M., - 1302 Hinman Ave., Evanston.
Instructor in Mathematics.

SPECIAL LECTURERS.

WILLIAM CUTHBERTSON, M.D., - - 171 E. 47th St., Chicago.
Lecturer on Clinical Gynecology, Medical School.

CHARLES BYRD ELDER, LL.B., - Monadnock Bldg., Chicago.
Lecturer on Extraordinary Legal Remedies, Law School.

MITCHELL DAVIS FOLLANSBEE, A.B., LL.B., 205 La Salle St., Chicago.
Lecturer on Legal Ethics.

FRED WILLIAM GETHRO, D.D.S., - Marshall Field Bldg., Chicago.
Lecturer on Operative Technics, Dental School.

HENRY CLAY HALL, B.S., LL.B., - Manhattan Bldg., Chicago.
Lecturer on Insurance, Law School.

CHARLES ERNEST PICKARD, A.B., - Monadnock Bldg., Chicago.
Lecturer on Trade-Marks and Copyrights, Law School.

IRA BENSON SELLERY, D.D.S., - - Venetian Bldg., Chicago.
Lecturer and Demonstrator on Orthodontia, Dental School.

EUGENE SHAW WILLARD, D.D.S., - 3620 Forrest Ave., Chicago.
Lecturer on Bacteriology, Quiz Master in Operative Dentistry and Demonstrator, Dental School.

SHERMAN ELIJAH WRIGHT, M.D., - 4700 Grand Boul., Chicago.
Lecturer on Anaesthesia and Assistant in Oral Surgery, Dental School. Assistant in Clinical Laryngology and Rhinology, Medical School.

TUTORS, ASSISTANTS, AND DEMONSTRATORS.

CARRIE DIXON BARROWS, - 1214 Forest Ave., Willmette, Illinois
Assistant Instructor in Piano, School of Music.

BERTHA ALTHEA BEEMAN, - - 2118 Orrington Ave., Evanston.
Assistant Instructor in Voice and Piano, School of Music.

JAMES WILLIAM BIRKLAND, D.D.S., - 2631 Prairie Ave., Chicago.
Demonstrator, Dental School.

ARTHUR DAVENPORT BLACK, B.S., M.D., D.D.S., Field Bldg., Chicago.
Quiz Master and Assistant in Oral Surgery, Dental School.

WILLIAM EARLE BLAKE, D.D.S., - - 87 Lake St., Chicago.
Demonstrator, Dental School.

FREDERICK ALBERT BONTHIUS, M.D., 11057 Michigan Ave., Chicago.
Demonstrator in Anatomy, Dental School.

WILLIAM SHERMAN BRACKEN, M.D., - 4526 Lake Ave., Chicago.
Assistant Demonstrator of Anatomy, Medical School.

JOSEPH BRENNEMAN, M.D., - 6857 Wentworth Ave., Chicago.
Assistant in Clinical Pediatrics, Medical School.

WILLIAM ELMER BRENNEMAN, JR., M.D., 281 E. 43rd St., Chicago.
Assistant in Clinical Neurology, Medical School.

DIEDERICK A. BRUMUND, M.D., - 1634 W. 63rd St., Chicago.
Assistant in Clinical Genito-Urinary Surgery, Medical School.

GEORGE BASSETT BUTT, M.D., - - 5860 State St., Chicago.
Assistant in Clinical Medicine, Medical School.

HERBERT FRANKLIN CHRISTIE, D.D.S., - 87 Lake St., Chicago.
Demonstrator, Dental School.

J. EDGAR COLLORAN, M.D., - - - 100 State St., Chicago.
Assistant in Clinical Genito-Urinary Diseases, Medical School.

CHARLES HENRY CONVERSE, - - - - - - Irving Park.
Demonstrator, Dental School.

HERBERT MILTON CRAIG, D.D.S., - 1831 Michigan Ave., Chicago.
Demonstrator, Dental School.

WILLIAM POLLOCK CRAIG, A.M., D.D.S., - 87 Lake St., Chicago.
Demonstrator, Dental School.

EUGENE F. DAMM, M.D., - - - 85 Rush St., Chicago.
Assistant in Clinical Medicine, Medical School.

GEORGE JAMES DENNIS, D.D.S., M.D., - 103 State St., Chicago.
Assistant in Clinical Laryngology and Rhinology, Medical School.

WILLIAM HARRY ELLIS, D.D.S., - - 87 Lake St., Chicago.
Quiz Master in Physiology and Demonstrator, Dental School.

JOHN FERDINAND FISCHNAR, PH.C., - 87 Lake St., Chicago.
Assistant in the Pharmaceutical Laboratory, School of Pharmacy.

CHARLES MARVIN FOX, M.D., - - 924 E. 51st St., Chicago.
Assistant in Clinical Medicine, Medical School.

ELLEN GREEN FISK, - - - 1625 Judson Ave., Evanston.
Dirccter of Physical Culture, School of Music.

HAROLD KENNETH GIBSON, M.D., - 228 E. 43d St., Chicago.
Assistant in Clinical Medicine, Medical School.

MONT RANKIN GILCHRIST, D.D.S., - 87 Lake St., Chicago.
Demonstrator, Dental School.

CHARLES JOHN HAAKE, 2505 N. Hermitage Av., Ravenswood, Chicago.
Assistant Instructor in Piano, School of Music.

HARVEY EDGAR HARRISON, D.D.S., - - 87 Lake St., Chicago.
Demonstrator, Dental School.

KATHERINE HEBBARD, - - 1960 Sheridan Road, Evanston.
Assistant Instructor in Piano, School of Music.

WILLIAM ANTON HILLEMEYER, M.D., - 357 W. 47th St., Chicago.
Assistant Demonstrator of Anatomy, Medical School.

ALEXANDER PHILIP HORWITZ, M.D., - 2441 Indiana Ave., Chicago.
Assistant in Clinical Ophthalmology and Otology, Medical School.

WINIFRED HULL, - - - 1422 Hinman Ave., Evanston.
Assistant Instructor in Piano, School of Music.

FRANCIS BYRON INGERSOLL, D.D.S., - 87 Lake St., Chicago.
Demonstrator, Dental School.

HELEN JEWELL, PH.B., - - 1815 Chicago Ave., Evanston.
Assistant in Botany, College of Liberal Arts.

CHARLES MAYOR JACOBS, M.D., - - 103 State St., Chicago.
Assistant in Clinical Orthopedic Surgery, Medical School.

LEONARD ALFRED JOHNSON, PH.G., - 87 Lake St., Chicago.
Assistant in Chemical Laboratory, School of Pharmacy.

ARTHUR C. KLEUTGEN, M.D., - - 2431 Dearborn St., Chicago.
Assistant in Clinical Genito-Urinary Surgery, Medical School.

HILDA VERBECK KNAPP, - 218 Lunt Ave., Rogers Park, Chicago.
Assistant Instructor in Piano.

ISABEL LARSEN, B.S., - - - 1124 Ayars Place, Evanston.
Assistant in Zoölogy, College of Liberal Arts.

CORNELIUS ARTHUR LEENHEER, M.D., 871 W. 22nd St., Chicago.
Assistant in Clinical Ophthalmology and Otology, Medical School.

GEORGE BUCHANAN MACFARLANE, D.D.S., - 70 State St., Chicago.
Demonstrator, Dental School.

OTIS HARDY MACLAY, B.S., M.D., 6408 Greenwood Ave., Chicago.
Assistant in Clinical Laryngology and Rhinology, Medical School.

CECIL JAMES HAMILTON MAGEE, D.D.S., - 87 Lake St., Chicago.
Demonstrator, Dental School.

EUGENE MAGINNIS, D.D.S., - - - 87 Lake St., Chicago.
Demonstrator, Dental School.

MAUDE JULIET MARCEAU, - - - - - - - Manteno.
Assistant Instructor in Piano, School of Music.

DAVID GRAHAM MARKS, D.D.S., - Stewart Bldg., Chicago.
Demonstrator, Dental School.

HOUSTON FRENCH METHVEN, D.D.S., 4944 Washington Ave., Chicago.
Demonstrator, Dental School.

CHARLES MARTIN MATTER, M.D., - 3137 Wabash Ave., Chicago.
Assistant in Clinical Surgery, Medical School.

THOMAS CHARLES MCGONAGLE, M.D., 5504 S. Halsted St., Chicago.
Assistant in Clinical Pediatrics, Medical School.

ALBERT EARL MOWRY, M.D., - 3505 Indiana Ave., Chicago.
Assistant in Clinical Medicine, Medical School.

NELSE FREDERICK OCKERBLAD, - - 153 La Salle St., Chicago.
Assistant in the Gymnasium, College of Liberal Arts.

FREDERICK WILLIAM PARKER, D.D.S., 6249 Kimbark Ave., Chicago.
Demonstrator, Dental School.

RALPH WALDO PARKER, D.D.S., - 6054 Madison Ave., Chicago.
Demonstrator, Dental School.

RUPERT MERRILL PARKER, B.S., M.D., 3603 Indiana St., Chicago.
Assistant in Clinical Surgery, Medical School.

RICHARD STARR PATILLO, M.D., - - 34 Washington St.
Assistant in Clinical Ophthalmology and Otology, Medical School.

ALBERT PECH, M.D., - - - 3904 Indiana Ave., Chicago.
Assistant in Clinical Genito-Urinary Surgery, Medical School.

William A. Peterson, M.D., - 3046 Wentworth Ave., Chicago.
Assistant in Clinical Ophthalmology and Otology, Medical School.

Alice Fidelia Pitkin, M.D., - 550 Wilson Ave., Ravenswood.
Assistant in Clinical Surgery, Medical School.

George Corwin Poundstone, D.D.S., 2250 Milwaukee Ave., Chicago.
Quiz Master in Pathology and Demonstrator in Histology and Bacteriology, Dental School.

Robert Edmund Ransmeier, M.D., - 2876 Archer Ave., Chicago.
Assistant in Clinical Laryngology and Rhinology, Medical School.

Ernest Ray Reynolds, M.D., - 553 W. 63d St., Chicago.
Assistant Demonstrator of Anatomy, Medical School.

Ernest Charles Riebel, M.D., - 711 W. 43rd St., Chicago.
Assistant in Clinical Surgery, Medical School.

Henry Dedrick Roehler, M.D., - 34 Washington St., Chicago.
Demonstrator of Operative Obstetrics, Medical School.

James George Ross, M.D., - 5801 Prairie Ave., Chicago.
Demonstrator of Bandaging, Medical School.

David Salinger, M.D., - - - 103 State St., Chicago.
Clinical Ophthalmology and Otology, Medical School.

Francis Peter St. Clair, M.D., - 4545 Wallace St., Chicago.
Assistant Demonstrator of Anatomy, Medical School.

George Curtice Shockey, M.D., - - Melrose Park, Ill.
Assistant in Clinical Neurology, Medical School.

Austin Ora Smith, D.D.S., - - 87 Lake St., Chicago.
Demonstrator, Dental School.

Morton Snow, M.D., - - - 3914 Ellis Ave., Chicago.
Assistant in Clinical Pediatrics, Medical School.

John Perley Sprague, A.B., M.D., - 3421 Forest Ave., Chicago.
Assistant in Clinical Neurology, Medical School.

Wirt Allen Stevens, D.D.S., - 2631 Wabash Ave., Chicago.
Demonstrator, Dental School.

Herbert Marion Stowe, M.D., - 4433 Lake Ave., Chicago.
Demonstrator of Operative Obstetrics, Medical School.

Jennie Bradshaw Sturgeon, B.L., 1914 Orrington Ave., Evanston.
Assistant in Botany, College of Liberal Arts.

TONI SUDER, - - - - - 1619 Grace St., Chicago.
Assistant in the Gymnasium, College of Liberal Arts.

HENRY ISAAC VAN TUYL, A.B., M.D., - 435 E. 61st St., Chicago.
Demonstrator and Quiz Master in Anatomy, Dental School.

MARIE LOUISE VIMONT, B.S., - 1815 Chicago, Ave., Evanston.
Demonstrator in Zoölogy, College of Liberal Arts.

JOHN BENJAMIN WAGONER, D.D.S., - 87 Lake St., Chicago.
Demonstrator, Dental School.

BENJAMIN WALDBERG, D.D.S., - - 87 Lake St., Chicago.
Demonstrator, Dental School.

ROSS CHAUNCEY WHITMAN, A.B., M.D., 1446 Wilson Ave., Chicago.
Assistant in Clinical Neurology, Medical School.

CHARLES BENJAMIN YOUNGER, M.D., - 3859 State St., Chicago.
Assistant in Clinical Laryngology and Rhinology, Medical School.

LIBRARIANS AND LIBRARY ASSISTANTS.

LODILLA AMBROSE, PH.M., - 1714 Hinman Ave., Evanston.
Assistant Librarian, College of Liberal Arts.

ADELINE MAITLAND BAKER, B.L.S., - 1325 Judson Ave., Evanston.
Cataloguer, College of Liberal Arts.

ALFRED WILLIAM BAYS, A.B., - - 87 Lake St., Chicago.
Librarian, Law School.

MAY THERESA HILLAN, - - 2431 Dearborn St., Chicago.
Librarian, Medical School.

OLINIA MAY MATTISON, PH.B., - 1230 Chicago Ave., Evanston.
Assistant, College of Liberal Arts.

JAMES O'MAY, - - - 2133 Sheridan Road, Evanston.
Assistant Librarian, Garrett Biblical Institute.

FRANCES CURREY PIERCE, PH.B., - Willard Hall, Evanston.
Assistant, College of Liberal Arts.

MARGARET ISABELLE PLANT, - - - 87 Lake St., Chicago.
Stenographer and Librarian, School of Pharmacy.

KOTZIE WILLARD, - - - 3620 Forrest Ave., Chicago.
Librarian, Dental School.

OTHER OFFICERS.

ARTHUR WILLIAM CAMPBELL, PH.B., - Evanston Y. M. C. A. Bldg.
Secretary to the President.

FREDERIC BEERS CROSSLEY, LL.B., - - 87 Lake St., Chicago.
Secretary of the Law School.

VACLAV KAREL FROULA, A.B., - - - - - - Wilmette.
University Examiner.

CHARLES RUDOLPH EDWARD KOCH, D.D.S., - 87 Lake St., Chicago.
Secretary of the Dental School.

IRVING HAMLIN, - - 2421 N. Hermitage Ave., Ravenswood.
Secretary of the School of Music.

HIRAM PORTER HENDRICKS, - 2431 Dearborn St., Chicago.
Clerk in the Medical School.

ANNIE WORTHERSPOON PATERSON, - Willard Hall, Evanston.
Matron, Willard Hall.

GLEASON FILLMORE STARKWEATHER, - 650 Cook St., Evanston.
Master Mechanic and Assistant in Shop-Work, College of Liberal Arts.

CLERKS AND STENOGRAPHERS.

AGNES HAYDEN, B.L., - - 1205 Hinman Ave., Evanston.
Clerk in the Registrar's Office, College of Liberal Arts.

MARGUERITE HILTON, - - 1329 Benson Ave., Evanston.
Stenographer in the Registrar's Office, College of Liberal Arts.

JEANNETTE E. LEE, - - - - 910 Lake St., Evanston.
Stenographer in the President's Office.

MARY FLORENCE LONG, - - - 1108 Church St., Evanston.
Chief Clerk in the Business Office.

MARION VAUGHN MERRILL, - - 1349 N. Clark St., Chicago.
Stenographer in the Business Office.

MYRTLE MATILDA MERRITT, - - 6027 Drexel Ave., Chicago.
Stenographer in the Dean's Office, Dental School.

FRANCES MAY PARR, - - - 6444 Kimbark Ave., Chicago.
Clerk in the Dental School.

MABEL FRANCES TURNER, A.B., - 2032 Orrington Ave., Evanston.
Clerk in the Dean's Office, College of Liberal Arts.

THE UNIVERSITY.

ORGANIZATION AND GOVERNMENT.

A meeting to consider the project of founding a university in the vicinity of Chicago was held in that city on May 31, 1850, and was attended by the following named persons: R. H. Blanchard, J. K. Botsford, Andrew J. Brown, Henry W. Clark, John Evans, Grant Goodrich, Zadoc Hall, Richard Haney, and Orrington Lunt. It was unanimously agreed that "the interests of Christian learning demand the immediate establishment of a University in the Northwest." A Committee was accordingly appointed to secure a charter from the General Assembly of Illinois, which charter was approved by the Governor of the State on January 28, 1851, and reads as follows:

AN ACT TO INCORPORATE THE NORTHWESTERN UNIVERSITY.

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That Richard Haney, Philo Judson, S. P. Keyes, and A. E. Phelps, and such persons as shall be appointed by the Rock River Annual Conference of the Methodist Episcopal Church to succeed them in the said office; Henry Summers, Elihu Springer, David Brooks, and Elmore Yocum, and such persons as shall be appointed by the Wisconsin Annual Conference of said church to succeed them; four individuals, if chosen, and such persons as shall be appointed to succeed them by the Michigan Annual Conference of said church; four individuals, if chosen, and such persons as shall be appointed to succeed them by the North Indiana Annual Conference of said church; H. W. Reed, I. I. Stewart, D. N. Smith, and George M. Teas, and such persons as shall be appointed to succeed them by the Iowa Annual Conference of said church; four individuals, and if chosen, such persons as shall be appointed to succeed them by the Illinois Annual Conference of said church; A. S. Sherman, Grant Goodrich, Andrew J. Brown, John Evans, Orrington Lunt, J. K. Botsford, Joseph Kettlestrings,

George F. Foster, Eri Reynolds, John M. Arnold, Absalom Funk, and E. B. Kingsley, and such persons, citizens of Chicago or its vicinity, as shall be appointed by the Board of Trustees hereby constituted to succeed them, be, and they are hereby created and constituted a body politic and corporate, under the name and title of the *Trustees of the Northwestern University,* and henceforth shall be styled and known by that name, and by that name and style to remain and have perpetual succession, with power to sue and be sued, plead and be impleaded, to acquire, hold, and convey property, real, personal, or mixed, in all lawful ways; to have and use a common seal and to alter the same at pleasure; to make and alter from time to time such by-laws as they may deem necessary for the government of said institution, its officers and servants, provided such by-laws are not inconsistent with the constitution and laws of this State and of the United States, and to confer on such persons as may be considered worthy such academical or honorary degrees as are usually conferred by similar institutions.

Section II. The term of office of said Trustees shall be four years, but that of one member of the Board for each conference enjoying the appointing power by this act, and the term of three of the members whose successors are to be appointed by the Board hereby constituted, shall expire annually; the term of each member of the Board herein named to be fixed by lot at the first meeting of said Board, which Board shall, in manner above specified, have perpetual succession, and shall hold the property of said institution solely for the purposes of education, and not as a stock for the individual benefit of themselves or any contributor to the endowment of the same; and no particular religious faith shall be required of those who become students at the institution. Nine members shall constitute a quorum for the transaction of any business of the Board, except the appointment of President or Professor, or the establishment of chairs in said institution, and the enactment of by-laws for its government, for which the presence of a majority of the Board shall be necessary.

Section III. Said Annual Conferences of the Methodist Episcopal Church, under whose control and patronage said University is placed, shall each also have the right to appoint annually two suitable persons, members of their own body, visitors to said University, who shall attend the examination of students, and be entitled to participate in the deliberations of the Board of Trustees, and enjoy all the privileges of members of said Board except the right to vote.

Section IV. Said institution shall remain located in or near the City of Chicago, Cook County, and the corporators and their suc-

cessors shall be competent in law or equity to take to themselves, in their said corporate name, real, personal, or mixed estate, by gift, grant, bargain, and sale, conveyance, will, devise, or bequest of any person or persons whomsoever; and the same estate, whether real, personal, or mixed, to grant, bargain, sell, convey, devise, let, place out at interest, or otherwise dispose of the same for the use of said institution in such manner as to them shall seem most beneficial to said institution. Said corporation shall faithfully apply all the funds collected or the proceeds of the property belonging to the said institution, according to their best judgment, in erecting and completing suitable buildings, supporting necessary officers, instructors, and servants, and procuring books, maps, charts, globes, and philosophical, chemical, and other apparatus necessary to the success of the institution, and do all other acts usually performed by similar institutions that may be deemed necessary or useful to the success of said institution, under the restrictions herein imposed: *Provided,* nevertheless, that in case any donation, devise, or bequest shall be made for particular purposes accordant with the design of the institution, and the corporation shall accept the same, every such donation, devise, or bequest shall be applied in conformity with the express conditions of the donor or devisor: *Provided, further,* that said corporation shall not be allowed to hold more than two thousand acres of land at any one time unless the said corporation shall have received the same by gift, grant, or devise; and in such case they shall be required to sell or dispose of the same within ten years from the time they shall acquire such title; and on failure to do so, such lands over and above the before-named two thousand acres shall revert to the original donor, devisor, or their heirs.

SECTION V. The treasurer of the institution and all other agents when required, before entering upon the duties of their appointment, shall give bond for the security of the corporation in such penal sums, and with such securities as the corporation shall approve, and all process against the corporation shall be by summons, and the service of the same shall be by leaving an attested copy thereof with the treasurer at least sixty days before the return day thereof.

SECTION VI. The corporation shall have power to employ and appoint a President or Principal for said institution, and all such professors or teachers and all such servants as may be necessary, and shall have power to displace any or such of them as the interest of the institution may require, to fill vacancies which may happen by death, resignation, or otherwise, among said officers and servants and to prescribe and direct the course of studies to be pursued in said institution.

SECTION VII. The corporation shall have power to establish departments for the study of any and all the learned and liberal professions in the same, to confer the degree of doctor in the learned arts and sciences and *belles-lettres,* and to confer such other academical degrees as are usually conferred by the most learned institutions.

SECTION VIII. Said corporation shall have power to institute a board of competent persons, always including the faculty, who shall examine such individuals as may apply, and if such applicants are found to possess such knowledge pursued in said institution as in the judgment of said board renders them worthy, they may be considered graduates in course, and shall be entitled to diplomas accordingly on paying such fee as the corporation shall affix, which fee, however, shall in no case exceed the tuition bills of the full course of studies in said institution; said examination board may not exceed the number of ten, three of whom may transact business, provided one be of the faculty.

SECTION IX. Should the corporation at any time act contrary to the provisions of this charter, or fail to comply with the same, upon complaint being made to the Circuit Court of Cook County, a *scire facias* shall issue, and the circuit attorney shall prosecute in behalf of the people of this State for forfeiture of this charter.

This act shall be a public act, and shall be construed liberally in all courts, for the purposes herein expressed.

SIDNEY BREESE,
Speaker of the House of Representatives.
WILLIAM McMURTRY,
President of the Senate.

Approved, January 28, 1851.
A. C. FRENCH, *Governor.*

The charter thus granted was amended by an act approved February 14, 1855, which reads as follows:

AN ACT TO AMEND AN ACT ENTITLED "AN ACT TO INCORPORATE THE NORTHWESTERN UNIVERSITY," APPROVED JANUARY 28, 1851.

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That John L. Smith, Aaron Wood, Luther Taylor, and Wm. Graham, and such other persons as shall be elected to succeed them by the Northwestern Indiana Con-

ference of the Methodist Episcopal Church, be, and they are hereby, constituted members of the Board of Trustees of the Northwestern University.

SECTION II. No spirituous, vinous, or fermented liquors shall be sold, under license or otherwise, within four miles of the location of said University, except for medicinal, mechanical, and sacramental purposes, under penalty of twenty-five dollars for each offense, to be recovered before any Justice of the Peace of said County of Cook: *Provided,* That so much of this act as relates to the sale of intoxicating drinks within four miles may be repealed by the General Assembly whenever they may think proper.

SECTION III. The said incorporation shall have power to take, hold, use and manage, lease and dispose of all such property as may in any manner come to said corporation charged with any trust or trusts, in conformity with such trusts and directions, and to execute all such trusts as may be confided to it.

SECTION IV. That all property of whatever kind or description, belonging to or owned by said corporation, shall be forever free from taxation for any and all purposes.

SECTION V. This act shall be public, and take effect from and after its passage.

THOMAS J. TURNER,
Speaker of the House of Representatives.
G. KOERNER,
President of the Senate.

Approved, February 14, 1855.
J. A. MATTESON, *Governor.*

The charter was amended a second time by an act approved February 16, 1861, which reads as follows:

AN ACT TO AMEND AN ACT ENTITLED "AN ACT TO INCORPORATE THE NORTHWESTERN UNIVERSITY."

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That the Annual Conferences of the Methodist Episcopal Church, which now are or may hereafter be authorized to elect or appoint Trustees of said University, shall hereafter elect only two Trustees each, who shall also be and perform the duties of the visitors to said institution, and the place of the two Trustees last appointed by each conference is hereby vacated.

The Trustees elected by such conferences shall hereafter hold their office for two years, and until their successors are chosen, the term of one elected by each of them expiring annually. In case any conference having authority to elect Trustees shall now or hereafter be divided into two or more annual conferences, they shall each have authority to elect Trustees. On the request of the Board of Trustees, made at a regular meeting, any such Annual Conference may elect Trustees as herein provided.

SECTION II. Any annual conference electing Trustees as herein provided, having at any time refused to elect successors thereto, or resolving to discontinue or refuse its patronage to said institution, shall authorize the Board of Trustees, by a vote of the majority thereof at any regular meeting, to declare vacant the place of all Trustees appointed by such conference, and its right to appoint Trustees shall thereupon cease.

SECTION III. Any chartered institution of learning may become a department of this University by agreement between the Boards of Trustees of the two institutions.

SECTION IV. This act shall take effect and be in force from and after its passage.

SHELBY M. CULLOM,
Speaker of the House of Representatives,
FRANCIS A. HOFFMAN,
President of the Senate.

Approved February 16, 1861.
RICHARD YATES, *Governor.*

A third amendment was made by an act approved February 19, 1867, which reads as follows:

AN ACT TO AMEND AN ACT ENTITLED "AN ACT TO INCORPORATE THE NORTHWESTERN UNIVERSITY," AND THE SEVERAL ACTS AMENDATORY THERETO.

SECTION I. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That the name of that Corporation created by act of the General Assembly of the State of Illinois, approved on the 28th day of January, A.D. 1851, under the name of the "Trustees of the Northwestern University," be and the same is hereby changed to "Northwestern University," and by that name shall hereafter be known, and in and by such name shall have and exercise all the powers and immunities conferred on said cor-

poration by said act of incorporation, and all acts amendatory thereof.

SECTION II. In addition to the number of Trustees heretofore provided for by law, the Board may elect any number, not exceeding twenty-four, and without reference to their several places of residence; and a majority of the whole Board shall be members of the Methodist Episcopal Church.

SECTION III. No greater number shall be required to constitute a quorum than has been heretofore required by law: *Provided*, That in all called meetings of the Board the object of the meeting shall be particularly specified in the notice to be previously given to each Trustee.

SECTION IV. This act shall be a public act, and in force from and after its passage.

F. CORWIN,
Speaker of the House of Representatives.
WM. BROSS,
President of the Senate.

Approved, February 19, 1867.
R. J. OGLESBY, *Governor.*

The government of the University thus founded, is vested in a Board of forty-four Trustees, of whom thirty-six are elected by the Board and eight by certain Annual Conferences of the Methodist Episcopal Church. The Board has the power to elect professors and instructors, manage the property of the corporation, and determine the general policy of the institution. It delegates certain powers to subordinate bodies:

FIRST—To the Executive Committee is committed the conduct of the business of the University during the intervals between the meetings of the Board of Trustees.

SECOND—To the Faculties of the several schools is committed the control of instruction and discipline in their respective schools, subject to the approval of the Board of Trustees.

UNIVERSITY STATUTES.

The following statutes of the University have been adopted by the Trustees, and are operative:

I. The President. The President of the University shall be the head of the educational departments of the University, and of each of them.

He shall see that all the rules and regulations prescribed by the Board of Trustees or the Executive Committee for the government of the University are faithfully observed. He shall exercise such general executive powers as are necessary to the good government of the University and the protection of its interests, and which are not otherwise provided for.

It shall be his duty to nominate to the Board, officers of instruction, except as otherwise provided, and to see that all officers of instruction are doing a proper amount and a satisfactory quality of work.

He shall prepare an annual report on the condition and needs of the University, shall cause the same to be printed, and shall send a copy to each member of the Board prior to its annual meeting.

He shall be, whenever present, the presiding officer of the Faculty of any College or School in the University. He shall have the right of a deciding vote in case of a tie. He shall appoint all committees provided for by the Faculty, unless otherwise ordered, and shall call extra meetings of any Faculty, whenever, in his judgment, such meetings may be called for by the welfare of the University.

II. Officers of Instruction. The officers of instruction in the University shall have designation and precedence as follows:

1. Professors.
2. Acting Professors.
3. Associate Professors.
4. Assistant Professors.
5. Instructors.
6. Tutors.
7. Lecturers.
8. Such other subordinate officers as may be from time to time appointed.

III. Faculties. The Faculty of any College or School shall be constituted of officers of instruction who are above the rank of Tutor.

Each department of study shall be under the supervision of a Professor or Acting Professor, who shall be the head of the department, and who, subject to the direction of the Faculty, shall have final decision in all matters relating to the work of the department. In case there shall be two or more officers having the rank of Professor in any department, the one first appointed shall have precedence.

Each Faculty shall have power to determine the requirements for the admission of students to such departments of the University as are under its jurisdiction; to prescribe and define the various courses of study for undergraduate and graduate students; to determine, subject to revision by the Board of Trustees, the requirements for such degrees as are offered to students under its jurisdiction; to enact and enforce such rules for the guidance and government of its own students as it may deem best adapted to the interests of the University.

There shall be elected by the Board of Trustees, or the Executive Committee, a Dean of each School or College, whose duty it shall be to preside at all meetings of the Faculty of such School or College in the absence of the President of the University. He shall annually submit to the President of the University, not later than the first day of June, a report of the work of the School or College to which he belongs, with such recommendations as he may deem advisable, and the reports so made may be made a part of the President's annual report of the Board of Trustees.

Each Faculty may present at any meeting of the Board or of the Executive Committee a report of any matters concerning the interests of its School or College, which report shall be transmitted through the President of the University.

No officer in the University shall absent himself from the discharge of his proper duties in the University longer than three college days at any one time without securing the previous consent of the President of the University, or of the Dean of the School to which said officer of instruction belongs; but this rule shall not be applied in case of absence occasioned by sickness or death of relatives.

A Committee for the Regulation of Athletic Sports shall hereafter be annually appointed and chosen as follows: Three members of the University Faculties and three alumni of the University, these six to be appointed by the Executive Committee; and also three undergraduates, to be chosen during the first week of the College of Liberal Arts year by the Athletic Association. This committee shall have entire supervision and control of all athletic exercises

within and without the precincts of the University, subject to the authority of the Faculty of Liberal Arts.

IV. Duties and Discipline of Students. All students are required to obey the rules of the University, to comply with the rules and regulations made by the Faculty of the School or College to which they belong, and to conduct themselves at all times with decorum and propriety.

Any student who is sent for by the President or any officer of instruction of the Faculty under which he is enrolled shall comply with the call without delay, and students must at all times obey the directions of the President or any officer of instruction in the School or College to which they belong, pertaining to good order in the institution.

A student may be suspended, dismissed, or expelled by a vote of two-thirds of the Professors of the Faculty of the School or College in which he is a member, provided always that, prior to such contemplated suspension, dismission, or expulsion, he be granted the right to a full and impartial hearing before the Faculty, and in all cases of discipline contemplating suspension, dismission, or expulsion the vote shall be by ballot. In the Academy this power of discipline shall belong to the Faculty of Liberal Arts.

Concerted absence from any appointed duty by a class, or by any number of students together, will be regarded as a violation of good order, and will be followed by suspension, dismission, or expulsion, at the discretion of the Faculty.

When any Faculty shall become satisfied that a student is not fulfilling the purpose of his residence at the University, or is for any cause an unfit member thereof, the President shall notify his parents or guardians, that they may have an opportunity to withdraw him, and if he is not withdrawn within a reasonable time he shall be dismissed.

Students or societies in the University are forbidden to invite any lecturer to address them in public until the name of the proposed lecturer shall have been presented to the President of the University, or to the Dean of the School to which such students or societies belong, and his permission to extend the invitation has been obtained.

Publication by any student or students of any paper or production bearing the name of the University, or purporting to issue from it, is forbidden, unless the publication is previously approved by the President.

Women students in the College of Liberal Arts or in the Academy, who are not residents of Evanston, are required to live in

Woman's Hall or in the College Cottage, unless special permission shall be granted them to live elsewhere. Application for such permission shall be made to a committee which shall consist of the President of the University, the Principal of the Academy, the Dean of Women, and the Business Manager of the University.

Excursions upon Lake Michigan in steamers or other vessels by bodies of students in departments of the University situated in Evanston, shall not be planned or carried out without the consent of the President, or the Executive Committee, which consent shall not be given until all possible precautions for the safety of the excursion party have been taken under the direction of a competent University representative.

The Oxford cap and gown shall be worn as an official dress at Commencement.

V. Graduation. All degrees in this institution, except honorary degrees, shall be conferred by the Board of Trustees on the recommendation of the proper Faculty; honorary degrees may be conferred upon the recommendation of the University Council.

Prior to the Commencement of any School or College, the Faculty thereof shall report to the Board of Trustees, if that Board is in session, the names in full and the places of residence of all students whom they shall recommend for degrees, whereupon the Board shall, in its discretion, pass a resolution to confer the same. In case the Board shall not be in session, the Faculty shall report the names as aforesaid to the Executive Committee of the Board of Trustees, who shall recommend that the President confer the degrees and report the same to the Board of Trustees for its approval.

For the recommendation of students to degrees by the different Faculties, all votes shall be by ballot. All candidates for degrees, except honorary degrees, shall be personally present at Commencement exercises, unless the Board or Executive Committee, on the recommendation of the appropriate Faculty, shall deem it proper to confer the degree in the absence of the candidate; and the candidates shall perform such public duties on Commencement day as the Faculty may designate.

The name of no person shall be presented for a degree till all his dues to the University are paid. No fee shall be charged for an honorary degree.

All degrees shall be conferred by the President on the authority of the Board of Trustees.

No duplicate diplomas shall be granted to graduates of the University without such proof of the loss of the original by affidavit or otherwise as shall be satisfactory to the Executive Committee.

VI. The University Council. The President of the University, together with the Dean of each Faculty, and another member

thereof elected annually by the Faculty, shall constitute the University Council.

The University Council shall meet on the day preceding the annual meeting of the Board of Trustees, and at such other times as the President of the University may designate.

The University Council may consider such matters as pertain to the interests of the University as a whole, and may make recommendations concerning the same to the Board of Trustees.

The University Council may recommend to the Board of Trustees the person or persons upon whom they think it fitting that honorary degrees should be conferred.

HISTORY AND DEVELOPMENT.

The College of Liberal Arts was the first department of the University to be organized. It was opened to students on November the 5th, 1855. Its location is in the city of Evanston, on a campus stretching for three-quarters of a mile along the shore of Lake Michigan and containing approximately seventy-five acres of ground. The courses of study offered in the College are designed to afford to students a broad and liberal culture without direct reference to a professional career, although they constitute a valuable preliminary to the study of Law, Medicine, Theology, and other professions, and also equip young men and women for the work of teaching in high schools and colleges. The curriculum leads to the degree of Bachelor or Master, of Arts, or Science. Courses are also offered in some departments leading to the degree of Doctor of Philosophy.

The Medical School was first organized in 1859 as a department of the Lind University of Chicago, but was reorganized as an independent school in 1864, under the name of the Chicago Medical College. In 1869 it was united with Northwestern University, retaining, however, its old name until 1891, when that name was changed to Northwestern University Medical School. It was the first Medical School in the United States to take three important

steps in Medical education, namely, the enforcement of a standard of preliminary education, the adoption of longer annual courses of instruction, and a graded curriculum.

The Medical School is located in Chicago, on Dearborn street, between Twenty-fourth and Twenty-fifth streets. Its proximity to Wesley Hospital, Mercy Hospital, and St. Luke's Hospital affords facilities for clinical teaching of high order. The course of study leading to the degree of Doctor of Medicine covers a period of four years.

THE LAW SCHOOL was founded in 1859 as a department of the old University of Chicago. In 1873 it was placed under the joint patronage of Northwestern University and the University of Chicago and assumed the name of Union College of Law. From 1886 to 1891 the School had a separate corporate existence, but in the latter year it was reorganized as a regular department of Northwestern University.

The Law School is located in the Northwestern University Building at Lake and Dearborn streets, Chicago, and has commodious and handsomely equipped quarters. The course of study leading to the degree of Bachelor of Laws covers a period of three years.

THE SCHOOL OF PHARMACY was incorporated in 1886 under the name of the Illinois College of Pharmacy. It was made a department of the University during the same year, and in 1891 the name was changed to Northwestern University School of Pharmacy. The work of the school is carried on in the University Building at Lake and Dearborn streets, Chicago.

The course of study in the School of Pharmacy leading to the degree of Graduate in Pharmacy extends through four terms, and that leading to the degree of Pharmaceutical Chemist, through five terms, the year being divided into three terms of equal lengths. The School is in session throughout the year except during the month of August.

The Dental School was organized in 1887 and three years later became a department of the University. In 1896 it absorbed the American Dental College and for some years occupied the building on Franklin and Madison streets, Chicago, formerly occupied by that school. It is now located in the University Building on Lake and Dearborn streets, and has ample facilities for lectures, laboratories, and clinics. The course of study leading to the degree of Doctor of Dental Surgery covers a period of four years.

The School of Music was organized in 1895, and two years later was established in a substantial and convenient building erected for its use on the Willard Hall campus in Evanston. It offers extensive courses in the practical and theoretical study of music as a part of general culture.

The Academy on the campus at Evanston was opened along with the College of Liberal Arts in 1855. Grand Prairie Seminary at Onarga, Illinois, was established in 1863, and was affiliated with the University in 1901. The Elgin Academy at Elgin, Illinois, was chartered in 1839 and was opened in 1856. It was affiliated with the University in 1903.

Garrett Biblical Institute was established in 1854 as a Theological School of the Methodist Episcopal Church, and was located on the University Campus at Evanston. Though on a separate foundation it has always been in close coöperation with the University, and offers courses of study leading to the degree of Bachelor of Divinity. With the Institute is affiliated the Norwegian-Danish Theological Seminary in Evanston.

The Swedish Theological Seminary is located on the University Campus and offers a four years course in Theological subjects.

GROUNDS AND BUILDINGS.

The University Campus has an area of about seventy-five acres and is beautifully situated in Evanston on the shore of Lake Michigan, about two miles from the northern limits of the city of Chicago. On it are located the buildings of the College of Liberal Arts, Garrett Biblical Institute, the Academy, and the School of Oratory. The School of Music and the women's dormitories, Willard Hall, Pearsons Hall, and Chapin Hall, are located on Willard Hall Campus, distant from the University Campus about three minutes' walk.

Large athletic grounds suitably prepared for use are located on the upper campus. The grand stand, erected by the Alumni and students, has in connection with it dressing rooms with baths for the use of athletic teams.

A detailed statement of the University buildings is given below.

THE COLLEGE OF LIBERAL ARTS.

University Hall, a capacious stone structure of chaste architecture, was erected in 1869. It contains the President's office, the Administrative offices of the College, the anthropology, botany, geology, and zoölogy sections of the museum, the botanical and zoölogical laboratories, and a large number of lecture and recitation rooms. Adjoining the recitation rooms are the private offices of the professors.

Fayerweather Hall of Science, erected in 1886, was the gift of the late Mr. D. B. Fayerweather, of New York. It is constructed of stone and red pressed brick, with terra-cotta trimmings. The front is 130 feet, and the depth 60 feet. At the rear are two wings, extending 54 feet, enclosing a court in which the power house for the building is located. The whole building is divided into two departments, for chemistry and physics, separated by a fireproof wall reaching from the foundation to the roof. The building is heated with steam, and is thoroughly ventilated. It has the latest improvements and facilities for instruction in chemistry and physics. The mineralogy section of the museum and the mineralogical laboratories are also in this building.

Orrington Lunt Library Building was erected in 1893. Its erection was made possible by a gift from the late Mr. Orrington Lunt, of Evanston, one of the charter members of the Board of Trustees, and for some time its president, supplemented by the gifts of other generous donors. The proportions and architectural details of the building give it a noble and pleasing appearance. The material used is Bedford limestone. The dimensions of the building are 162 by 73 feet. The main floor contains a room for book storage (directly connected with a second book-room in the basement), the reading room, and the offices of administration. On the second floor there is an auditorium of handsome finish, with seating capacity for five hundred persons. On the same floor there is a large lecture-room now occupied by the Art Collection of the University Guild, recently donated to the University, and other apartments for class, seminary, and office use. In the third story, which extends over the central section of the building, and in the well-lighted basement, there are rooms used for recitations and also for general University purposes. The building is heated by steam from a detached station. It is lighted throughout by gas and electricity.

Dearborn Observatory was erected in 1888 through the generosity of Mr. James B. Hobbs, of Chicago. Its length from north to south is 81 feet, and its greatest breadth is 71 feet. It is constructed of stone in the most substantial manner. The building includes a dome for the great Equatorial, a Meridian Circle room, a Library, and eight additional rooms, the whole being arranged especially for convenience in carrying on astronomical work.

The great equatorial refracting telescope was made by Alvan Clark & Sons, of Cambridge, Massachusetts, in 1861. It is fitted with driving clock, micrometer, and other appliances necessary for first-class work. The dimensions of the Equatorial are:

Diameter of declination circle, 30 inches, reading by vernier to five minutes, and by two microscopes to ten seconds of are; diameter of hour circle, 22 inches, reading by vernier to single minutes, and by microscopes to single seconds of time; focal length of telescope, 23 feet; aperture of object glass, 18½ inches.

The meridian circle is of the first class, and was constructed in 1867, by Messrs. A. Repsold & Sons, of Hamburg. This instrument has an object glass of six French inches aperture, and a divided circle of forty inches diameter, reading by four microscopes. In plan of construction it is like Bessel's celebrated Königsberg circle by the same makers, but has some recent improvements in the mode of illuminating the field of view, together with apparatus for registering declinations. Hough's printing and recording chrono-

graphs are used for recording meridian observations and other phenomena.

The Observatory has a chronometer (William Bond & Son, No 279), and three mercurial pendulum clocks.

Old College.—This building was the first to be erected by the University, and originally stood on the corner of Hinman Avenue and Davis Street. For many years it was the only building which the University used for educational purposes. The building was moved to the Campus in 1871, and was enlarged for the use of the Academy. In 1899, when the Academy was transferred to Fisk Hall, it was moved a second time to its present position south of the gymnasium. It has been thoroughly refitted and is used at present for college class-room purposes.

The Gymnasium is a well-lighted, two-story brick building. The basement contains dressing-rooms, lockers, baths for both men and women, and a room for ball-throwing. The exercising-room is 40 by 80 feet, with a height of ceiling of 20 feet, unobstructed by pillars, leaving ample space for the practice of indoor athletics. It is supplied with light and heavy apparatus for general gymnastic and athletic exercise. The director's office is on the main floor, and contains appliances for making physical examinations. The entire building is lighted by electricity.

THE MEDICAL SCHOOL.

The Laboratory Building of the Medical School is situated on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. It has a frontage of 110 feet, and a depth of 105 feet; is five stories above the basement, and is constructed of cut stone and brick, with terra-cotta trimmings and internal finishing of the best materials and workmanship.

On the first floor are the amphitheater, pathological museum, and laboratory of physiology and biology. On the second floor are the laboratories of pathology, bacteriology, hygiene, and clinical pathology. On the third floor are large laboratories of histology and embryology with three smaller rooms for original research. These rooms are equipped with desks, lockers for microscopes, and all necessary apparatus. A large lecture-room, room for chemical and physical apparatus, and the private laboratory of the Professor of Chemistry are on the same floor. On the fourth floor one-half of the entire space is occupied by chemical laboratories for students' practical work, and the other half by the laboratory of physiological chemistry, and of pharmacology, with smaller rooms for advanced

or original work. On the fifth floor is a large dissecting room, a room for demonstrating surgical operations, and three smaller rooms for special dissections.

The Museum of the school, located in this building, is furnished with preparations and specimens illustrative of normal, pathological, and comparative anatomy.

Davis Hall stands beside the Laboratory Building. It was erected in the summer of 1893. On the first floor are offices and faculty rooms, a large amphitheater, an apothecary's room, an examination room for the director of the dispensary, and suites of rooms for the dispensary departments of medicine, surgery, orthopedics, and genito-urinary surgery. On the second and third floors there are smaller amphitheaters, and suites of rooms especially arranged and equipped for the departments of laryngology, gynecology, neurology, pediatrics, otology, ophthalmology, and dermatology. On the fourth floor are the library and reading-room and the suite assigned to the Young Men's Christian Association, comprising an assembly-room, and a gymnasium with shower-bath and dressing-room.

Wesley Hospital, a modern well-equipped hospital containing two hundred and twenty-five beds, under the patronage of the Methodist Episcopal Church and controlled by a local board, is connected by corridors with Davis Hall. With its laboratories for sterilizing and preparing dressings and instruments, its amphitheaters, its clinical and pathological laboratories, drug-room, and morgue; with its sunbaths and suites of private rooms, and with its commodious, light, and well ventilated wards, this institution has reached a high mark in hospital construction and equipment.

LAW, PHARMACY, AND DENTAL SCHOOLS.

Northwestern University Building, in which are located the Law School, School of Pharmacy, and the Dental School, stands at the south-east corner of Lake and Dearborn Streets, Chicago. This property was recently acquired by the University at a cost of $500,000 and has been remodeled at a cost of over $275,000. The Chicago offices of the President and the Business Manager are on the second floor of the building. The Law School occupies the entire third floor, containing a floor space of some 23,000 square feet. The quarters are commodious and handsomely equipped, and include two lecture rooms, a court room, an alumni room, a students' assembly room, several private studies for the school law clubs for similar purposes; also a set of 200 lockers and the usual office rooms and professors' rooms. The library and reading-

room occupy 5,000 square feet of floor space. The students' assembly room is spacious and well equipped as a place for rest and conversation, the desire being to have the apartments as comfortable and attractive as possible for those students who have no home accommodations in Chicago.

The School of Pharmacy occupies the whole of the fourth floor, and a part of the second floor.

The Dental School occupies the fifth and sixth floors, with chemical laboratories on the second floor, and the great clinic room on the seventh floor.

This building, situated as it is in the heart of Chicago, affords to the schools located in it unexcelled advantages.

THE SCHOOL OF MUSIC.

Music Hall is situated on Willard Hall campus, a short distance west of the University campus. It was originally designed as a home for the School of Music, and was completed in 1897. It is substantially built of stone and brick, surmounted with a tile roof and finished in Georgia pine. The first floor is divided into fourteen teaching and practice rooms, including an office. The second floor contains three additional class-rooms and a well-arranged concert-hall, seating over three hundred. The hall is provided with a large stage, dressing-rooms, a grand piano, and a two-manual pipe-organ with pedals.

THE ACADEMIES.

Fisk Hall was erected in 1898 and dedicated January 28, 1899. It is devoted to the work of the University Academy, and is named for Principal Herbert F. Fisk, who has been connected with the Academy since 1873. The building is Romanesque in style, and is a three-story structure of brick and terra-cotta, with stone trimmings and a tile roof. It cost about $75,000, and was the gift of Mr. William Deering. The building stands at the south end of the Campus, and has a frontage of 180 feet on Sheridan Road. The heating, lighting, and ventilating appointments of the building are as perfect as science can make them. Both gas and electricity are used in lighting. The woodwork throughout is of quartered oak.

Grand Prairie Seminary has three buildings located at Onarga, Illinois, namely, an Auditorium seating six hundred persons, a Recitation Hall, and a Dormitory for women. The campus on which these buildings are situated consists of about six acres of shaded ground.

Elgin Academy, has two well constructed buildings, beautifully situated on a choice lot of about four acres in the most elevated

portion of the city of Elgin. The Main Building is an imposing three-story brick structure used for general class-room purposes; Lovell Science Hall was erected in 1888 through the generosity of Mrs. Vincent S. Lovell, and is used for the science work of the Academy.

DORMITORIES.

The Men's Dormitory, erected in 1890, is designed to accommodate twenty-eight young men, at a moderate charge for rental. The rooms are, for the most part, in suites, consisting of a study and two well-lighted bedrooms with wardrobes.

Willard Hall is a large edifice of pleasing architecture. It contains a chapel and other public rooms, but is chiefly devoted to private apartments for young women, accommodating one hundred and twenty. Many of the rooms are in suites. They are of good size, well lighted and ventilated, and are cheerful and attractive. The building is provided with fire escapes, and is heated by hot water.

Pearsons Hall and Chapin Hall are convenient and well-furnished homes for women, constructed of pressed brick and stone. Each affords accommodations for about sixty young women, and is under the control of the Woman's Educational Aid Association.

GARRETT BIBLICAL INSTITUTE.

Memorial Hall, a handsome structure of pressed brick, was erected on the campus for Garrett Biblical Institute and dedicated in May, 1887. It contains the library and lecture rooms of the Institute. The most attractive part of the interior is the chapel, which has seating capacity for about five hundred. The windows are adorned with elaborate designs in rich cathedral glass, in harmony with the ideal of the hall, which was erected as a memorial to deceased professors of the Institute and of others well known for interest in theological studies.

Heck Hall, is a dormitory for theological students erected in 1867. It is a brick building, five stories in height, heated by steam and lighted by electricity. The rooms are in suites consisting of study, bed-room, and wardrobe, and afford very comfortable quarters.

THE SCHOOL OF ORATORY.

Annie May Swift Hall.—This building was erected during the year 1895, for work in elocution and oratory. The style of architecture is Venetian. The lower part of the building is of rock-faced Lemont limestone, and the upper stories of buff-colored Roman brick and terra-cotta. The floor is of red tile. The building is

heated by steam and lighted by both gas and electricity. It is named in memory of a deceased daughter of the late Mr. Gustavus F. Swift of Chicago, one of the trustees of the University, and the largest contributor for the erection of the building. On the first floor are an auditorium, reading-room, and reception rooms. The second story is divided into fifteen rooms for private instruction. The floors and partitions are deadened by an improved system of construction.

LIBRARIES.

The libraries of the University are placed with due regard to the convenience of the several departments using them. The largest collection is that of the College of Liberal Arts which is housed in the Orrington Lunt Library building on the college campus. While designed especially to meet the needs of the various departments of instruction in the college, this library is at the service of all members of the University, subject to the regulations which apply to students and officers of the college. Persons not connected with the University, desiring to use the library for purposes of study, may be granted library privileges if responsibly introduced. Besides the general collection, which is increasing at the rate of about three thousand volumes a year, the college library includes special collections known as the Greenleaf Collection and the Schneider Collection.

The Greenleaf Collection, the gift in 1870 of the late Mr. Luther L. Greenleaf of Evanston, contains 11,246 volumes, also a large and valuable assortment of unbound dissertations and monographs, chiefly publications of foreign universities and learned societies. It is unusually complete in Greek and Latin classics, every author being represented by the best editions from the earliest to a recent date. It contains also a choice selection of standard works in German and other modern languages. In the subjects of history, philosophy, theology, and the fine arts, there are many works of unique value.

The Schneider Collection, added to the German section of the library in 1898 through the generosity of German citizens of Chicago, numbers 2,533 volumes. It includes many first editions of standard

authors. Among its rarities are original prints from the period of the Reformation, and a large collection of annuals (*Musenalmanache* and *Taschenbücher*) of the eighteenth and nineteenth centuries.

Three hundred and thirty periodicals are currently received; there are in the Library complete sets of many of these.

The Library of the Medical School, known as the *Alumni Library,* has been acquired by purchase, and by donations from Dr. F. P. Peck, from the mother of the late Dr. G. W. Jones, and from students and members of the faculty. It is placed on the fourth floor of Davis Hall. Each department of instruction in the School is well represented in the Library. It contains a large number of reference books and dictionaries, and all of the larger systems of Medicine and Surgery are at the command of the student. All of the more important recent works in the various departments of instruction are added to the Library as soon as they appear.

The Law School Library is centrally located in the rooms of the school. In convenience for study and research it is unexcelled. The room is divided into large, clean, quiet, well ventilated, and well lighted alcoves, each alcove containing a table and comfortable chairs. The Library is being gradually increased, and at present comprises the United States Reports, all of the State Reports to the Reporter System, the complete National Reporter System, the Lawyers' Reports Annotated, all of the Illinois Reports, statutes of all the States in the Union, and a large collection of digests, encyclopedias, and text books. Of the English reports it possesses the complete Law Reports since 1865, most of the remaining reports between 1790 and 1865, and the full reprint of the earlier reports as far as issued. The Gary collection of Treatises, Reports, and Statutes of Continental Law is now being installed. This collection includes the jurisprudence of Germany, France, Austria, Spain, Switzerland, Holland, Italy, and Belgium. As a source of investigation for International Law and continental law it provides facilities hitherto wholly unavailable west of the Atlantic coast.

The Library of the School of Pharmacy is well stocked with carefully selected reference books and the principal current chemical and pharmaceutical journals.

The Library of Garrett Biblical Institute is in Memorial Hall and has been collected to meet the needs of theological students. It is well selected and conveniently arranged. A rare col-

lection of Methodist literature, the largest and richest collection in existence, was recently given to this library by Mr. William Deering.

The number of bound volumes and pamphlets in the several libraries of the University (December 1903) are as follows:

	Bound Volumes.	Pamphlets.
College of Liberal Arts	53,538	36,000
Dearborn Observatory	1,000	1,000
Medical School	3,400	9,000
Law School	9,716	153
School of Pharmacy	810	
Dental School	2,513	10,000
	70,977	56,153
Garrett Biblical Institute	18,769	2,200
Total	89,746	58,353

In addition to the above library facilities, students residing in Evanston have free use of the Evanston Free Public Library, containing 34,533 volumes. In Chicago, students have access to the Chicago Public Library, 285,087 volumes; the John Crerar Library, 100,802 volumes; the Newberry Library, 260,273 volumes, and the Library of the Chicago Historical Society, 35,000 volumes.

MUSEUMS.

The Museum of the College of Liberal Arts was for many years the object of special care from the late Professor Oliver Marcy. It contains many thousands of rare and valuable specimens, labeled and arranged with great care. It is divided into sections as follows: Anthropology, Botany, Geology, Mineralogy, and Zoology. The section of Mineralogy is placed in Fayerweather Hall of Science; the remainder of the museum is lodged on the fourth floor of University Hall, and in the rooms of the departments of Botany, Geology, and Zoology.

The Section of Anthropology comprises mainly collections in aboriginal archæology, and has been developed largely through the interest of Dr. William A. Phillips of Evanston. Primitive ceramic art in the United States is well represented by several hundred specimens from the mounds of Illinois, Wisconsin, Kentucky, and Missouri.

Primitive work in stone and copper is represented by large collections from various parts of the United States and from England. The Section contains about 8,000 specimens neatly arranged in cases in a department by themselves. During recent years, a collection of material from the cliff-dwellings and the pueblos of New Mexico has been added to the Museum.

The Section of Botany is made up chiefly of gifts received from alumni and friends of the college and of collections made by students and instructors. It now contains about five thousand species. It includes collections made by Robert Kennicott from the Red River of the North; by Vasey from the Rocky Mountains; by Thomas and Bentley, and by I. A. Lapham, from Southern Illinois; also collections from New England and New York, the Lake Superior region, and Cook County, Illinois.

The Henry H. Babcock herbarium, donated in 1887 by Mrs. Mary Keyes Babcock, of Kenilworth, is systematically arranged, handsomely provided with substantial cases, and contains ten thousand species from all quarters of the globe.

The Section of Geology contains typical rocks from this country and from Europe, which exhibit the variations in structure and texture of the large groups of sedimentary, metamorphic, and igneous rocks. They also show the rock formations in the geological column

from the more ancient to the recent rocks. The series of fossils, both of plants and of animals, are quite extensive, containing characteristic fossils of the different geologic periods. The collections which are especially valuable are: 1, Cretaceous and Tertiary fossils, the gift of the Smithsonian Institution; 2, Fossils and rocks from Illinois Geological Survey; 3, Niagara fossils from Chicago and Racine, some of which are type specimens; 4, Illinois Carboniferous flora, largely from Grundy County; 5, Miscellaneous, containing specimens from many parts of the world.

The Section of Mineralogy contains specimens of most of the mineral and rock species in such numbers as to well illustrate their characteristics and occurrence. Besides those specimens which have been accumulating to the museum for several years, are to be mentioned the Ayers loan-collection; additions from the Columbian Exposition, consisting chiefly of mass specimens and illustrations of economic ores; the Tyler collection, containing many crystals, notably good calcites; and a fine collection of azurites and malachites.

The Section of Zoölogy contains (1) with few exceptions all the mammals, birds, reptiles, and batrachians indigenous to Illinois; (2) all the mammals and birds of the New South Wales exhibit at the Columbian Exposition. The kangaroos and lemurs, the platypus and the echidna, the emu and the cassowary, the rifle-bird, the regent and the lyre-bird, and the apteryx from New Zealand, in all four hundred and fifty specimens, make a very complete presentation of that strange fauna; (3) a series of birds and a series of corals from the Philippine Islands (it is thought that the species of cuckoos and parrots are complete for the locality); (4) a series of skeletons, mostly prepared by Ward, including the elephant, the whale, the American crocodile, and skeletons of birds and fishes; (5) miscellaneous (among the larger animals are the moose, the buffalo, the Virginia deer, the white bear, and the reindeer). There are birds from India, Central America, Brazil, British Guiana, Norway, and Russia. There is a collection of fifteen thousand marine and fresh-water shells. There is a large collection of fishes donated by the Smithsonian Institution; also fishes from Lake Michigan, prepared by Dr. Phillips. There are crustaceans, echinoderms, sponges, and a multitude of low forms of marine life, many of them collected by Prof. Wm. N. Rice of Middletown, Connecticut. The section contains 30,000 specimens.

The Museum of the Medical School is located in the Laboratory Building and contains preparations and specimens illustrative of normal, pathological, and comparative anatomy.

The Museum of the School of Pharmacy is exceptionally extensive and complete in exhibits of drugs, chemicals, preparations, and apparatus.

The Museum of the Dental School includes specimens of comparative anatomy showing heads with the teeth of fishes, reptiles, saurians, and the several orders of mammals; an exceptionally complete and valuable set of specimens of the human skull, with dissections in a series showing the development of the teeth and their roots from their first appearance to the full development of the adult; also a large collection of abnormal formations of the human teeth, collected largely in the school by students and alumni, and through donations by members of the dental profession.

THE UNIVERSITY SETTLEMENT.

An association composed of alumni and friends of the University maintains, at the corner of Augusta and Noble streets, Chicago, the Northwestern University Settlement. It is a short block off Milwaukee avenue, the great thoroughfare of the Northwest side. The building in which the work is carried on is a four story brick structure, 60x78 feet, looking south upon two small gardens and having a space 30x78 feet on the north for an auditorium, gymnasium, and baths. On the ground floor are the kindergarten, men's club rooms, and boiler room. The main floor contains the kitchen, coffee house, reception room, office and library. Five large connected club rooms, one of which is the house dining room, and the domestic science and serving rooms occupy the second floor. The third floor contains room for thirteen residents.

The object, like that of Oxford House and Toynbee Hall in London, the Andover House in Boston, and similar institutions, is the intellectual, social and religious improvement of the neglected city population. The settlement is located on the edge of the largest Polish quarter of the city and in the heart of the most densely populated district in Chicago. The resident group is composed of men and women engaged in educational, professional, and public service who prefer to live among the people bearing the heaviest burdens of the industrial world. Opportunity is also offered to undergraduates for philanthropic work and practical acquaintance with sociological problems. The plan includes classes for instruction, clubs for social improvement, a reading-room, lectures, concerts, house-to-house visitation, and legal and medical dispensaries. The expenses are met by membership subscriptions and voluntary contributions.

THE UNIVERSITY GUILD.

The University Guild is an association of women, for the most part resident in Evanston, who seek to secure for the University valuable works of art and to cultivate by means of frequent lectures and discussions, artistic taste and sentiment in matters of common life. The Guild holds monthly meetings in its beautifully decorated rooms in Orrington Lunt Library, and in many ways renders material service to the University. The Guild rooms are open to the public every Wednesday afternoon throughout the year.

The Art Collection already secured by the Guild is valued at several thousands of dollars. It contains a fine collection of pottery and porcelain, including handsome specimens of Doulton, Royal Worcester, Wedgewood, Coalport, Elton, Royal Berlin, Royal Copenhagen, Royal Vienna, Hungarian, Russian, Spanish, Royal Sevres, Limoges, Italian, Chinese, Delft, Rookwood, and Bulgarian ware. There are fifteen specimens of Doulton ware, including the famous Lambeth Faience Vase which attracted so much attention at the Columbian Exposition. This vase is six feet three inches in height, and two feet six inches in diameter. The duplicate of it

was sold in England for $6,000. There are handsome specimens of French bronze and of Venetian and Bohemian glass. The collection also includes some fine plaster casts presented by the French Government, as well as twenty busts of eminent scholars, and Thorwaldsen's Mercury, Venus, Hebe, and the Shepherdess.

ATHLETICS.

By provision of the statutes of the University, all athletic interests are under the supervision and control of a committee of fifteen members representing the faculty, alumni, and students, of the College, the Medical School, the Law School, the School of Pharmacy, and the Dental School. As at present constituted the committee consists of the following members:

Faculty Representatives—Professors O. F. Long, Chairman; W. S. Hall, F. C. Woodward, D. C. Eccles, and E. S. Willard.

Alumni Representatives—Messrs. Frank E. Lord, George W. Webster, Wirt E. Humphrey, R. L. Girton, and F. W. Gethro.

Student Representatives—Messrs. H. I. Allen, G. W. Newell, F. H. Scheiner, Albert W. Weinberger, and George C. McCann.

This committee has adopted the following regulations, based on the Intercollegiate Conference Rules:

1. No person shall participate in any intercollegiate game or athletic sport unless he be at the time a *bona fide* student, doing full work in a regular or special course as defined in the curriculum of his college; and no person who has participated in any intercollegiate game as a member of any college team shall be permitted to participate in any game as a member of a team representing another college until he has been a matriculate in such college, under the above conditions, for a period of one year, or has obtained a college academic degree; academy students shall not be eligible to membership on college teams.

2. No person shall be admitted to any intercollegiate contest who receives any gift, remuneration, or pay for his services on the college team.

3. No student shall play on the teams of any college or colleges for more than four years in the aggregate.

4. No student shall participate in any intercollegiate contest who has ever used or is using his knowledge of athletics or his athletic skill for gain. No person who receives any compensation from the University for services rendered by way of regular instruction shall be allowed to play on any team.

5. No student shall play under an assumed name.

6. No student shall be permitted to participate in any intercollegiate contest who is found by the Faculty to be delinquent in his studies.

7. All intercollegiate games shall be played on grounds either owned by, or under the immediate control of, one or both of the colleges participating in the contest, and all intercollegiate games shall be played under student or college management, and not under the control of any other corporation, association, or private individual.

8. The election of managers and captains shall be subject to the approval of the committee on athletics.

9. College football teams shall play only with teams representing educational institutions.

10. At least ten days before every intercollegiate contest, the respective chairmen of the athletic committee of the institutions concerned shall submit to each other a certified list of players eligible, under the rules adopted, to participate in said contest. It shall be the duty of the captains of the respective teams to exclude from the contest all players save those so certified.

11. The athletic committee shall require each candidate for a team representing the University in intercollegiate contests to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted.

12. No person having been a member of any college athletic team during any year, and having been in attendance in the college less than *one college half-year,* shall be permitted to play in any intercollegiate contest thereafter until he shall have been in attendance six consecutive calendar months.

13. No schedule of games shall be fixed without the approval of the Committee for the Regulation of Athletic Sports. No additional dates for games shall be accepted without the approval of the chairman of the said committee.

14. The selection of players for any team shall be subject to the approval of the committee for the Regulation of Athletic Sports. In order to provide proper information on which to act, every student desiring to play on any team shall fill out a blank prepared by

the committee. To this certificate shall be appended a certificate signed by the physical director, attesting the applicants physical fitness for membership in the team proposed.

15. No student of the departments situated in Evanston, and no member of any University football or baseball team, shall, during term time, without the permission of the Committee for the Regulation of Athletic Sports, play on any like team not connected with the University.

INTERCOLLEGIATE DEBATES.

The students of Northwestern University, the University of Michigan, the University of Chicago, and the University of Minnesota have formed an organization known as the Central Debating League. The purpose of this organization is the development of readiness and skill in speech and debate, through the public discussion of leading questions of the day. The universities named are arranged each year in two groups for the preliminary debates. The final contest takes place annually in Chicago on the first Friday in April, at which time the debate is between the winners of the preliminaries. In this University, the contestants are selected through a series of debates among the different departments and among the literary societies, and to the winners the Gage prizes are awarded. (See page 173.)

THE COLLEGE OF LIBERAL ARTS.

EVANSTON.

FACULTY.

EDMUND JANES JAMES, PH.D., LL.D., *President.*

THOMAS FRANKLIN HOLGATE, PH.D., *Dean, Professor of Applied Mathematics.*

DANIEL BONBRIGHT, LL.D., *Dean Emeritus, John Evans Professor of Latin Language and Literature.*

HERBERT FRANKLIN FISK, D.D., LL.D., *Professor of Pedagogics.*

ROBERT MCLEAN CUMNOCK, A.M., L.H.D., *Professor of Rhetoric and Elocution.*

ROBERT BAIRD, A.M., LL.D., *Professor of Greek Language and Literature.*

*ROBERT DICKINSON SHEPPARD, A.M., D.D., *Professor of English and American History.*

ABRAM VAN EPS YOUNG, PH.B., *Professor of Chemistry.*

GEORGE WASHINGTON HOUGH, LL.D., *Professor of Astronomy and Director of Dearborn University.*

JAMES TAFT HATFIELD, PH.D., *Professor of German Language and Literature.*

CHARLES BEACH ATWELL, PH.M., *Professor of Botany.*

HENRY CREW, PH.D., *Fayerweather Professor of Physics.*

J. SCOTT CLARK, LIT.D., *Professor of English Language.*

JOHN HENRY GRAY, PH.D., *Professor of Political and Social Science.*

PETER CHRISTIAN LUTKIN, MUS. D., *Professor of Music.*

GEORGE ALBERT COE, PH.D., *John Evans Professor of Moral and Intellectual Philosophy.*

ALJA ROBINSON CROOK, PH.D., *Professor of Mineralogy and Economic Geology.*

HENRY SEELY WHITE, PH.D., *Secretary, Henry S. Noyes Professor of Pure Mathematics.*

WILLIAM ALBERT LOCY, PH.D., *Professor of Zoölogy.*

* On leave of absence.

Charles Joseph Little, Ph.D., LL.D., *Professor of Church History. (President of Garrett Biblical Institute.)*

George Oliver Curme, A.M., *Professor of Germanic Philology.*

James Alton James, Ph.D., *Professor of the History of Continental Europe.*

Edouard Baillot, L.H.D., *Professor of Romance Languages.*

Amos William Patten, A.M., D.D., *Professor of Biblical Instruction.*

Ulysses Sherman Grant, Ph.D., *William Deering Professor of Geology.*

John Adams Scott, Ph.D., *Professor of Greek Language and Literature.*

Doremus Almy Hayes, Ph.D., D.D., *Professor of New Testament Exegesis. (Garrett Biblical Institute.)*

Ashley Horace Thorndike, Ph.D., *Professor of English Literature.*

Frederick Carl Eiselen, A.M., B.D., *Professor of Semetic Languages and Old Testament Exegesis. (Garrett Biblical Institute.)*

Milton Spenser Terry, A.M., D.D., LL.D., *Professor of Christian Doctrine. (Garrett Biblical Institute.)*

Olin Hanson Basquin, Ph.D., *Associate Professor of Physics.*

Martha Foote Crow, Ph.D., *Dean of Women, Assistant Professor of English Literature.*

Arthur Herbert Wilde, Ph.D., *Registrar, Assistant Professor of History.*

Omera Floyd Long, Ph.D., *Assistant Professor of Latin.*

*John Edward George, Ph.D., *Assistant Professor of Political Economy.*

Walter Dill Scott, Ph.D., *Assistant Professor of Psychology and Pedagogy.*

Albert Ericson, A.M., *Instructor in the Swedish Language. (President of the Swedish Theological Seminary.)*

Nels Edward Simonsen, A.M., D.D., *Instructor in the Norwegian and Danish Languages. (Principal of the Norwegian-Danish Theological School.)*

Mary Freeman, A.M., *Instructor in Romance Languages.*

Herbert Govert Keppel, Ph.D., *Instructor in Mathematics.*

* On leave of absence.

HENRY LE DAUM, A.M., *Instructor in French.*
CHARLES HILL, PH.D., M.D., *Instructor in Zoölogy.*
OLIN CLAY KELLOGG, PH.D., *Instructor in English Language.*
GEORG EDWARD, *Instructor in German.*
MARCUS SIMPSON, PH.D., *Instructor in German.*
JOHN PRICE ODELL, A.B., *Instructor in English Language.*
ROBERT RICHARDSON TATNALL, PH.D., *Instructor in Physics.*
JAMES FIELD WILLARD, PH.D., *Instructor in History.*
*HORACE BUTTERWORTH, PH.B., *Instructor in Physical Culture and Director of the Gymnasium.*
JAMES NEWTON PEARCE, PH.M., *Instructor in Chemistry.*
JOHN WESLEY YOUNG, A.M., *Instructor in Mathematics.*
WILLIAM ABBOTT OLDFATHER, A.M., *Instructor in Latin.*
HERMAN CHURCHILL, A.M., *Instructor in English Language.*

GLEASON FILLMORE STARKWEATHER, *Assistant in Shop-Work.*
HELEN JEWELL, PH.B., *Assistant in Botany.*
MARIE LOUISE VIMONT, B.S., *Demonstrator in Zoölogy.*
ISABEL LARSEN, B.S., *Assistant in Zoölogy.*
JENNIE BRADSHAW STURGEON, B.L., *Assistant in Botany.*
TONI SUDER, *Assistant in the Gymnasium.*
NELSE FREDERICK OCKERBLAD, *Assistant in the Gymnasium.*

LIBRARY STAFF.

LODILLA AMBROSE, PH.M., *Assistant Librarian.*
OLINIA MAY MATTISON, PH.B., *Assistant.*
FRANCES CURREY PIERCE, PH.B., *Assistant.*
ADELINE MAITLAND BAKER, B.L.S., *Cataloguer.*

*Resigned December 31, 1903.

STANDING COMMITTEES.*

Administrative:—Professors HOLGATE, BAIRD, BONBRIGHT, CROW, FISK, PATTEN, WILDE, YOUNG.

Board of Examiners:—Professors THORNDIKE, BAILLOT, CURME, GEORGE, LONG, J. A. SCOTT, DR. TATNALL.

Undergraduate Study:—Professors YOUNG, COE, GEORGE, GRANT, HATFIELD.

Advanced Standing:—Professors LOCY, BAILLOT, CLARK.

Graduate Study:—Professors CREW, GRAY, LOCY, J. A. SCOTT, THORNDIKE.

Admission Requirements:—Professors ATWELL, BASQUIN, CURME, W. D. SCOTT, THORNDIKE.

Delinquent Studies:—Professors HOLGATE, LONG, WILDE.

Registration and Special Students:—Professors HOLGATE, GRANT, WILDE.

Accredited Schools:—Professors JAMES, FISK, GRANT, LONG, WHITE.

Academy:—Professors FISK, CLARK, CREW, GRAY, W. D. SCOTT.

Library:—Professors BONBRIGHT, GRAY, HATFIELD, LOCY, YOUNG.

Chapel:—Professors CROOK, PATTEN, DR. KEPPEL.

Fellowships and Scholarships:—Professors WHITE, HATFIELD, JAMES.

Loans and Charitable Funds:—Professors PATTEN, FISK, HOUGH.

Musical Organizations:—Professors HATFIELD, CROOK, LUTKIN.

Social Affairs:—Professors YOUNG, ATWELL, COE, CROW, FISK, JAMES, LUTKIN.

Gymnasium and Physical Training:—Professors HOLGATE, LONG, W. D. SCOTT, Mr. BUTTERWORTH.

Willard Hall:—Professors CROW, GRANT, JAMES, PATTEN.

*Names arranged alphabetically except the chairman.

REQUIREMENTS FOR ADMISSION.

Candidates for admission to the College of Liberal Arts must be at least sixteen years of age, and must present satisfactory evidence of good moral character, together with credentials as to scholarship and honorable dismissal from the last institution which they attended. These credentials should show in detail the studies pursued by the candidate in preparation for college, and should bear the recommendation of the Principal for admission to College.

Blank forms for credentials may be had on application to the Registrar, and should be returned to him, properly filled out, at least one week before the opening of the college year.

Either by examination or by certificate from an accredited school, all candidates must give satisfactory evidence of preparation in the following subjects:

(1) All the units described under Group A.
(2) Four units from Group B.
(3) Three additional units from Group B or C.

The items in the groups indicate both the amount of work to be covered and the time to be devoted to each subject in a good secondary school, in order to secure a unit of credit.

Group A.

1. *English.* The character and amount of preparation required is indicated in the program which follows, although the arrangement of the work may vary considerably from this.

(*a*) Spelling, punctuation, grammar, paragraphing, the fundamental principles of rhetoric, reading, practice in writing compositions based on the student's personal experience. *Time requirement, the equivalent of four hours a week throughout one year.*

(*b*) The following books are to be read. The student should acquire a knowledge of their subject-matter and of the main facts in the lives of their authors, and should practice writing short compositions on subjects drawn from their reading. Proper equivalents for these books may be accepted.

1904, 1905: Shakespeare's "Merchant of Venice" and "Julius Cæsar"; the Sir Roger de Coverley Papers in the *Spectator;* Goldsmith's "Vicar of Wakefield"; Coleridge's "Ancient Mariner";

Scott's "Ivanhoe"; Carlyle's "Essay on Burns"; Tennyson's "The Princess"; Lowell's "The Vision of Sir Launfal"; George Eliot's "Silas Marner."

1906, 1907, 1908: Shakespeare's "Macbeth" and "Merchant of Venice"; Addison's Sir Roger de Coverley papers in the *Spectator;* Irving's "Life of Goldsmith"; Coleridge's "Ancient Mariner"; Scott's "Ivanhoe" and the "Lady of the Lake"; Tennyson's "Gareth and Lynette," "Lancelot and Elaine," and the "Passing of Arthur"; Lowell's "Vision of Sir Launfal"; George Eliot's "Silas Marner."

Time requirement, the equivalent of four hours a week throughout one year.

(*c*) The student is expected to make a thorough study of each of the works named below, accompanied by practice in composition. No substitution for these books will be accepted.

1904, 1905: Shakespeare's "Macbeth"; Milton's "Lycidas," "Comus," "L'Allegro," and "Il Penseroso"; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and on Addison.

1906, 1907, 1908: Shakespeare's "Julius Cæsar"; Milton's "L'Allegro," "Il Penseroso," "Comus," and "Lycidas"; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Johnson. *Time requirement, the equivalent of four hours a week throughout one year.*

Certificates from accredited schools are expected to contain a statement from the instructor in English that each student, before entering college, has written *at least eight exercises of at least three hundred words each.* Descriptions of scenes or objects actually witnessed by the writers, narrations based on personal experiences, and arguments on specific questions will be accepted; rambling expository essays on broad general themes are not acceptable.

Students without certificates may present these exercises for inspection by the examiner.

3. *Mathematics*—(*a*) Algebra, including factoring, common divisors and multiples, fractions, simple equations of one or more unknown quantities, involution, evolution, theory of exponents, radicals. Special attention should be given to the statement of problems in the form of equations. *Time requirement, four or five hours a week throughout one year.*

(*b*) Algebra, including a review of the previous work and a thorough study of radicals, equations involving radicals, quadratic equations with one or two unknown quantities, and equations solved like quadratics. *Time requirement, the equivalent of four or five hours a week throughout one-half year.*

(*c*) Plane Geometry, including a course equivalent to that contained in Holgate's or in Beman and Smith's Geometry, together with the solution of a large number of exercises and numerical problems. *Time requirement, four or five hours a week throughout one year.*

(*d*) Solid Geometry, a course equivalent to that contained in Holgate's or in Beman and Smith's Geometry, including numerous exercises and problems. *Time requirement, the equivalent of four or five hours a week throughout one-half year.*

It is recommended that the work in Mathematics in preparation for college be extended over at least three years of the high school course, and especially that work be given in this subject in the last year. A good arrangement is as follows: First year, four hours a week, algebra; second year, four hours a week, geometry; fourth year, four hours a week for first half-year, solid geometry; second half year, algebra; reviewing and making a thorough study of quadratic equations and radicals.

4. *History*—Ancient History with special reference to Greece and Rome, West's Ancient History, or Botsford's Greece and Rome, or an equivalent, with supplementary reading. *Time requirement, four or five hours a week throughout one year.*

NOTE.— If a candidate cannot present a year of Ancient History, he may substitute for it either No. 27, 28, or 29, as described under Group C, or a year of General History, Myers's, or an equivalent.

5. *Science*—Physics, a course equivalent to that contained in Hall and Bergen's Text-book of physics, Carhart and Chute's Elements of Physics, or Crew's Elements of Physics. The candidate must present evidence of familiarity with the general principles of physical science, especially the simpler principles and phenomena which are constantly illustrated in daily life, such as the pendulum, hydrostatics, water waves, pitch and intensity of sound, heat conduction, boiling, freezing, simple lenses, mirrors, prisms, magnets, lines of force, voltaic cells, galvanometers, etc. It is also required that a course of laboratory work shall have been pursued in connection with the text-book, equivalent to at least forty exercises from the Harvard list, or from Crew and Tatnall's Laboratory Manual of Physics, and that accurate notes descriptive of the experiments shall have been kept. *Time requirement five hours a week throughout one year.*

NOTE.—If a candidate cannot present a year of Physics, he may substitute for it either a year of Physiography (No. 22), a year of Biology (No. 23, 24, or 25), or a year of Chemistry (No. 26.)

GROUP B.

8. *Greek*—(*a*) Grammar, White's First Greek Book, or an equivalent. *Time requirement, four or five hours a week throughout one year.*

9. *Greek*—(*b*) Xenophon's Anabasis, Books I, II, and III; Jones's Greek Prose Composition, or an equivalent, thirty lessons. *Time requirement, four or five hours a week throughout one year.*

10. *Greek*—(*c*) Anabasis, Book IV. Prose Composition, lessons thirty to forty. Homer, Iliad or Odyssey, 1,800 lines. *Time requirement, four or five hours a week throughout one year.*

11. *Latin*—(*a*) Grammar; Cæsar's Gallic War, ten pages, or twenty pages of Viri Romæ, with retranslation of English into Latin. *Time requirement, five hours a week throughout one year.*

12. *Latin*—(*b*) Cæsar's Gallic War, four books, completed; Latin Composition. *Time requirement, five hours a week throughout one year.*

13. *Latin*—(*c*) Cicero, six orations, including the Manilian Law; Latin Composition. *Time requirement, five hours a week throughout one year.*

14. *Latin*—(*d*) Vergil, six books of the Æneid. *Time requirement four or five hours a week throughout one year.*

It is to be desired that the student's acquaintance with Vergil may not be limited to the foregoing requirement. By encouragement in private reading, as well as by sight reading in class, the Bucolics and a considerable portion of the Æneid may with much advantage be added to the amount prescribed.

An examination in Latin is appointed about six weeks after the beginning of the year, as a test of the sufficiency of the student's preparation to advance with his class.

15. *French*—(*a*) Correct pronunciation; elementary grammar, with exercises, including the irregular verbs; the reading of from one hundred and fifty to two hundred pages of easy French prose. *Time requirement, five hours a week throughout one year.*

16. *French*—(*b*) Elementary grammar completed; easy composition, based upon one of the works read; the reading of two hundred and fifty to three hundred pages of French prose. *Time requirement, five hours a week throughout one year.*

17. *French*—(*c*) Study of the difficulties of French syntax and idioms; translations into French from text-book and easy original compositions; the reading of not less than six hundred pages of at

least five standard authors; ability to take grammatical dictations and to understand and answer questions in French. *Time requirement, four or five hours a week throughout one year.*

18. *German*—(*a*) Pronunciation; the memorizing and use of easy colloquial sentences; the rudiments of grammar (inflection of the articles, ordinary nouns, adjectives, pronouns, weak verbs, and the more usual strong verbs; the use of the more common prepositions; the simpler uses of model auxiliaries and the elementary rules of syntax and word-order); abundant easy exercises; the reading of seventy-five to one hundred pages of graduated texts. *Time requirement, four or five hours a week throughout one year.*

19. *German*—(*b*) The reading of from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays; translation into German of matter based upon works read; continued drill upon rudiments of grammar. *Time requirement, four or five hours a week throughout one year.*

20. *German*—(*c*) The reading of about four hundred pages of moderately difficult prose and poetry; retranslation into German; grammatical drill upon the less usual strong verbs; the use of articles, cases, auxiliaries, tenses and modes, word-order and word-formation. *Time requirement, four or five hours a week throughout one year.*

Note.—A single unit of a foreign language will be accepted for entrance only on condition that the candidate shall continue the study of that language through a second year.

Group C.

21. *Mathematics*—Algebra, including ratio and proportion, variation, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, introduction to determinants, theory of equations and series, as in Fisher and Schwatt's College Algebra, or Hall and Knight's Elementary Algebra, or a full equivalent.

Plane trigonometry, including the solution of oblique triangles. Consistent employment of ratio definitions of the trigonometric functions is expected, also the ability to verify numerical computations. *Time requirement, five hours a week, throughout one year.*

22. *Physiography*—A study of the subjects usually given in courses in physical geography—the earth as a planet, the atmosphere, the climate, the ocean, and the land. Emphasis is to be placed upon the land, especially upon the topographic features, their origin and their significance. Some recent text-book should form the basis for

the course, and the text-book should be supplemented by the study of maps, models, and the features of the earth's surface in the vicinity of the school. *Time requirement, four or five hours a week throughout one year.*

23. *General Biology*—The study of typical animals and plants by laboratory methods covering the facts of morphology and physiology. This requirement may be met by a course such as that laid down in Boyer's Elementary Biology, or in Colton's Practical Zoölogy and Atkinson's Lessons in Botany. In all cases special provision should be made for laboratory work, and accurate notes and drawings should be made by the student. Teachers in accredited schools reporting to the University should designate the quality of the laboratory work as a separate item, in addition to that of the class-room work. *Time requirement, five hours a week throughout one year, including not less than one hundred and forty hours of laboratory work and two class-room periods a week.*

24. *Botany*—The study of plants as living organisms, with special regard to function, structure, and relation to environment. Each recitation or quiz period should be preceded by four hours of laboratory work. Atkinson's Lessons in Botany and Bergen's Foundations of Botany are satisfactory texts. Each pupil should individually perform the experiments and demonstrations, and should keep a neat and accurate notebook showing the work done by himself and the conclusions reached. *Time requirement, four hours a week throughout one year.*

25. *Zoölogy.*—One year's study of animal structure, habits, and general life-history will be accepted as a full item of credit for entrance, provided it has been done by the laboratory method. Conditions for undertaking this work vary too widely to make it desirable to designate either an outline or text-books. Teachers competent to carry on such a course for a full year will have their own method, and the material used will also vary. Colton's Practical Zoölogy and Parker and Haswell's Manual of Zoölogy (the latter for supplementary reading) will be suggestive. Emphasis should be placed on training in observation and accuracy in drawing and expression in the notebooks. To meet the requirements in this course there should be not less than 150 hours of laboratory work, besides two class-room periods a week throughout the year.

26. *Chemistry*—This course should occupy not less than four periods a week through a year, which should allow at least eight hours of a student's time for the subject. Laboratory work should be made an essential feature of the study, and this may well take

one-half of the total time assignment. Careful and systematic notes of his individual work should be made by the student. Some work in quantitative experiments is recommended as extremely desirable both for training and in order to illustrate the fundamental laws. Purely descriptive work may better be limited to comparatively few elements and compounds rather than be extended to a larger list with resulting confusion to the student.

27. *Mediæval and Modern European History*—Myers's Mediæval and Modern History, or an equivalent, with supplementary reading. *Time requirement, four or five hours a week throughout one year.*

28. *English History*—A study of the political and constitutional development of England. Larned's English History or an equivalent. *Time requirement, four or five hours a week throughout one year.*

29. *American History and Civil Government*—Channing's Students' History of the United States, or an equivalent. James and Sanford's Government in State and Nation, or an equivalent. *Time requirement, four or five hours a week throughout one year.*

NOTE.—Candidates are recommended to offer one or more of the units of History as described above, as it is believed that better educational results are obtained by devoting a full year to one of these periods. But until further notice a unit of credit will be given for a year's work devoted to any two of these divisions, or a unit of credit will be given for a year devoted to General History.

30. *Political Economy*—Macvane's Political Economy, or its equivalent. *Time requirement, four or five hours a week throughout one year.*

31. *Manual Training.*—Joinery, practice in making the more common joints in wood with hand tools; wood-turning, the use of the ordinary turning tools in making various curved forms, cups, balls, etc. Pattern making, practice in making wood patterns from which castings may be made, involving the study of shrinkage, distribution of metal, and various methods of molding; forging, practice in forming iron into various shapes when heated to the plastic condition, welding, and tempering. Woodward's *The Manual Training School* describes the usual exercises. If a laboratory manual is not used the student should write up each exercise carefully, as in other laboratory work. *Time requirement, six hours a week in the shop throughout two years.*

Group D.

Instead of a full year's work in one science, the equivalent of four terms' work, each of five hours a week, from the subjects in this group will be accepted, until further notice, for one unit of credit under Group C; but students are strongly advised to make choice of one subject and pursue it through the year.

40. *Botany*—A practical knowledge of the general facts of plant life, such a course as is outlined in Atkinson's Lessons in Botany.

41. *Zoölogy*—A study of various animal types founded upon laboratory work such as that described in Part I, Boyer's Elementary Biology.

42. *Physics*—Elements of Physics, Crew's, first four chapters, or an equivalent.

43. *Astronomy*—Young's Elements.

44. *Geology*—Brigham's Text-book of Geology, or Tarr's Elementary Geology, or an equivalent.

45. *Chemistry*—Remsen's Elementary Course, or an equivalent. It is urgently recommended that laboratory work by the student accompany this study.

46. *Drawing*—Elements of Free-Hand and Geometrical Drawing; such a knowledge of the subject as may be gained by practice under instruction two hours a week through one year.

47. *Human Physiology*—Martin's Human Body, briefer course, or an equivalent.

48. *Physical Geography*—Some recent text-book.

49. *History of England*—Montgomery's, or an equivalent.

50. *Civil Government*—James and Sanford's, or an equivalent.

In special cases, where candidates are unable to meet the requirements relating to specific subjects, but can present the full equivalent of the *total* requirement for admission, they may by vote of the faculty or of the Board of Examiners be admitted as regular students; but this regulation will not release a candidate for a degree from any of the specified studies required for a degree, as described on pages 87 and 88.

EXAMINATIONS FOR ADMISSION.

The regular days of examination for admission to the College of Liberal Arts are the Monday and Tuesday next preceding commencement, and the first Monday and Tuesday of the college year. The dates for the year 1904 are June 13 and 14, and September 19 and 20. Candidates may be examined and admitted at other times if prepared to enter classes at an advanced point in the regular courses; but they are advised to enter at the beginning of the college year.

The Board of Examiners of this College will accept, in lieu of its own examinations, those conducted in June by the College Entrance Examination Board. This Board, which holds its examinations in Chicago in Northwestern University Building, is composed of representatives of a large number of educational institutions, and its findings are accepted as a basis for admission to colleges generally throughout the country.

ADMISSION BY CERTIFICATE.

Students from an accredited academy or high school may be admitted to college on certificate, without examination, provided they present themselves for admission not later than a year and three months after graduation from their school. The certificate must show that the candidate has met all the requirements as described on page 75 and must bear the Principal's signature recommending the candidate for admission. In case the preparation of a student admitted on certificate is found in the first semester to be unsatisfactory, he will be required to complete his preparation in a fitting-school or in such other way as may be designated.

ADMISSION AS SPECIAL STUDENTS.

On the recommendation of a standing committee of the Faculty, persons of serious purpose and mature years may be admitted to college as special students to pursue selected

studies. The work taken by such students is under the supervision and control of the committee on Registration and Special Students. Applications for admission as special students must be accompanied by evidence of sufficient qualification to carry on the proposed work to advantage, and in general, Special Students will be expected to meet the full entrance requirements.

ADMISSION TO ADVANCED STANDING.

Students from other colleges seeking admission to this college must present evidence of honorable dismissal from the institution last attended and must give satisfactory proof of preparation for the courses of study which they desire to enter. They should bring official certificates showing their grade of credits for the subjects which they have pursued, also the number of weeks and the number of hours a week the respective studies were followed. Such students must meet the regular entrance requirements to this college. The amount of advanced credit to be obtained by certificate from another institution is determined by a committee of the Faculty, but no advanced credit will be given without examination except for work done in an approved college. All claims for advanced credit must be made during the first year of residence. Candidates for advanced standing are not admitted later than September of the collegiate year in which they expect to graduate.

ACCREDITED SCHOOLS.

High schools and academies may be placed on the accredited list of the University by action of the Faculty, upon the recommendation of the Committee on Accredited Schools. This relation implies that the certificates of the school properly attested will be accepted at their face value toward meeting the requirements for admission.

Superintendents or principals desiring to have their schools placed on the accredited list should make application

to the Chairman of the Committee on Accredited Schools, who will provide for a proper inspection. The following information will be expected in the letter of application:

a. The names of all teachers, with a statement both of their preparation for teaching and of their experience in that work.

b. The latest printed catalogue or annual report of the school, containing an outline of the course of study and a list of the text-books used.

c. A careful statement of the methods pursued in teaching Mathematics, Languages, and Sciences.

d. The amount and kind of scientific apparatus and the extent of library facilities accessible to students.

The schools which are placed on the accredited list, will continue to be accredited for three years, unless the Faculty within this period becomes satisfied that such changes have occurred as make further inspection desirable.

CERTIFICATES OF THE SCHOOL OF CORRESPONDENCE.

Certificates of the Interstate School of Correspondence, affiliated with the University, will be accepted for admission to college at their face value in the subjects covered by its academic courses as follows: English Language, one unit; English Literature, two units; Mathematics, three units; Latin, one unit; Botany, one unit; Physics, one unit.

Inquiries concerning Correspondence Work should be addressed to the Interstate School of Correspondence, 378-388 Wabash Avenue, Chicago.

RESIDENCE.

The University maintains but one dormitory for men, accommodating about thirty students. A few students find lodgings in Heck Hall, the dormitory of Garrett Biblical Institute, and about twenty men room in the College Young Men's Christian Association House. Aside from these limited accommodations, men students find rooms for themselves in private families.

Unless special exemption from the rule is granted, women students room in one or other of the Halls provided for them. Willard Hall is under the immediate oversight of the Dean of Women, who lives in the building and associates with the residents as a friend and adviser. Pearsons Hall and Chapin Hall are in charge of an association of women, incorporated as the Woman's Educational Aid Association, which considers the claims of all applicants for admission and has a friendly supervision over the residents of these halls. The lighter housework of Pearsons and Chapin Halls is done by the young women residing in these halls, under the direction of a competent matron. In this way the expenses of living are materially reduced.

All women students, wherever they reside, are expected to conform to the general regulations prescribed for the conduct of those living in the Halls.

NOTE.—For further information respecting Willard Hall, letters of inquiry should be addressed to The Matron, Willard Hall, Evanston, Ill.; and for information respecting Pearsons or Chapin Hall, letters should be addressed to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston, Ill.

PROGRAMS OF STUDY.

The courses of study offered in the College of Liberal Arts are listed under the several departments of instruction, in a subsequent section of this Catalogue. The amount of credit assigned to a course is expressed as *one hour, two hours,* etc., an hour of credit being given for the satisfactory completion of work equivalent to one class-exercise a week during one semester.

As a condition of graduation, a student is required to complete one hundred and twenty semester hours of work, which must include the courses prescribed either for the degree of Bachelor of Arts or Bachelor of Science as described below, the major work in at least one department, and the minor work in at least one other department. Four years will usually be necessary for the satisfactory accomplishment of this work.

SCHEDULES OF REQUIRED STUDIES.

PRESCRIBED STUDIES FOR THE DEGREE OF BACHELOR OF ARTS.

I.	Mathematics A or A B, - - -	4 or 5 hours	1st year
II.	English Language A, - - -	3 hours	1st year
III.	Two of the following of which one must be chosen from the first two named: Latin A, Greek A, French A, German A,	Each 4 hours	1st year
IV.	English Literature A, - - - -	2 hours	2nd year
V.	One of the following: Latin B, Greek B, French B, German B,	3 hours.	2nd year
VI.	One of the following: Physics A, Chemistry A, Zoölogy A, Botany A, Geology A, Mineralogy A, - - - - -	3 or 4 hours	2nd or 3rd year
VII.	One of the following: History AB, A, or BC, Economics A or G, Philosophy A, - - - -	3 hours	2nd or 3rd year
VIII.	Philosophy E, - - - - -	1 hour	3rd or 4th year

PRESCRIBED STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE.

I.	Mathematics A or AB, - - -	4 or 5 hours	1st year
II.	English Language A, - - - -	3 hours	1st year
III.	French A (see note below), - -	4 hours	1st or 2nd year
IV.	German A (see note below), - -	4 hours	1st or 2nd year
V.	English Literature A, - - - -	2 hours	2nd year
VI.	Two of the following, of which one must be chosen from the first three named: Physics A, Chemistry A, Zoölogy A, Botany A, Geology A, Mineralogy A, Mathematics B, BB, or C,	3 or 4 hours	1st, 2nd, or 3rd year
VII.	One of the following: History AB, A, or BC, Economics A or G, Philosophy A, - - -	3 hours	2nd or 3rd year
VIII.	Philosophy E, - - - - - - - -	1 hour	3rd or 4th year

NOTE.—If a candidate has presented for admission to college, Latin (a), (b), and (c), or Greek (a), (b), and (c), either French A or German A may be omitted from this schedule, but the work preparatory to the course thus omitted must be taken.

ELECTIVE STUDIES.

In making up programs of study, precedence must be given to prescribed courses and in the order designated in the above schedules. Except by special permission of the Committee on Registration, every student must take, in addition to the prescribed studies for which he is due, elective work sufficient to make a total of fifteen hours a week. In making up his program of elective work, the student's choice of courses is subject to the special regulations of the several departments.

At a date not later than the registration at the beginning of the third year of residence, every candidate for a Bachelor's degree must announce the department in which he

proposes to do *major work,* and also the department in which he proposes to do *minor work.* If the *major* is chosen in a department of foreign language, the *minor* must be chosen in a department other than a foreign language. The specific courses constituting the *major* and the *minor* in each department will be found listed in the schedule on pages 90 and 91, and are also stated under the list of courses in the several departments of instruction. These involve in the case of a major about ten year-hours given to work in one department and distributed over at least two years of the general program.

Students are advised to give careful thought to the plan of their elective work as early as the beginning of the second year. They may find it to their advantage to devote the whole, or a large part, of their elective time in the second year to the *major* subject. Elective work will be made more profitable by adhering consistently to a plan adopted for each year, and a course once selected should be continued through the year.

FACULTY ADVISERS.

Every undergraduate student on entering college is assigned to some member of the Faculty, who is to act as his adviser and give him helpful counsel relating to his college life. As soon as the student makes choice of the department in which he is to do his major work, the professor at the head of that department becomes his adviser and should be consulted freely on all matters relating to subsequent work. The student is required to submit his choice of studies to his adviser and obtain approval of the same before completing his registration for each year.

SCHEDULE OF MAJORS AND MINORS.

DEPARTMENT	MAJOR	MINOR
Biblical Literature.	Ten year-hours.	Six year-hours.
Biology.	Botany A and Zoölogy A, and either Botany B or C, or Zoölogy C or D.	
Botany.	Courses A, B, and C.	Course A and B or C.
Chemistry.	Courses A, B, and C.	Courses A and B.
Economics.	Course A or G, and seven additional year-hours.	Course A or G, and three additional year-hours.
English Language.	Courses A and B, and six additional year-hours, which may include Greek F if not used towards a major in Greek.	Courses A and B and two additional year-hours.
English Literature.	Course A and eight additional year-hours, which may include English Language D.	Course A and four additional year-hours.
Geology.	Course A and seven additional year-hours, which may include Mineralogy A.	Course A and three additional year-hours.
German Languages and Literature.	Courses A (or BB) and B, and six additional year-hours.	Courses A (or BB) and B.
Greek Language and Literature.	Courses A and B, and five additional year-hours, not including course N.	Courses A and B.
History.	Course AB, A, or BC, and seven additional year-hours.	Course AB, A, or BC, and three additional year-hours.

DEPARTMENT	MAJOR	MINOR
Latin Language and Literature.	Courses A and B, with C or D, and E or F, or their equivalents.	Courses A and B.
Mathematics.	Fourteen year-hours, including Courses A or AB, and B or BB.	Courses A or AB, and B, BB, or C.
Mineralogy and Economic Geology.	Course A and seven additional year-hours, which may include Geology A.	Course A and three additional year-hours.
Pedagogics.	Ten year-hours, including Courses A or B, and C or D, Philosophy A, and two additional year-hours in Pedagogy or Psychology.	Six year-hours.
Philosophy, Psychology, and Logic.	Courses A and C, and five additional year-hours.	Course A and three additional year-hours.
Physics.	Course A and six additional year-hours.	Course A and three additional year-hours.
Romance Languages.	Courses A and B in French, and six additional year-hours.	Courses A and B in French.
Semitic Languages		Courses A and B.
Zoölogy.	Course A and six additional year-hours.	Course A and three additional year-hours.

COURSES OF INSTRUCTION.

The courses of instruction offered in the several departments are subject to change from year to year. Those given during the year 1903-1904 are described below.

The Faculty reserves the right at the beginning of a semester to withdraw the offer of any elective study not chosen by at least five persons.

ASTRONOMY AND METEOROLOGY.

A—*Astronomy; Meteorology.* 2 hours.
Tuesdays, Thursdays, 2.
Professor HOUGH.

First Semester.—General Astronomy.
Second Semester.—General Astronomy and Meteorology.

BIBLICAL LITERATURE.

A—*Introduction to the English Bible.* 2 hours.
Wednesdays, Fridays, 2.
Professor PATTEN.

First Semester.—How the Bible came to be. The evolution of the English Bible. The English of the Bible. The Bible and English Literature.

Second Semester.—The Bible as literature. Lectures and required readings, with papers on the various topics considered.

Text used: The American Standard Revised Version. Moulton's Modern Readers' Bible.

B—*The Gospel of Luke.* 2 hours.
Tuesdays, Thursdays, 2.
Professor PATTEN.

First Semester.—A study of the Synoptic Gospels, with Luke as a basis.

Second Semester.—The Christ of the Gospels as the central point of the Christian Evidences.

Text: Cambridge Bible for Schools and Colleges.
Rowe's Manual of the Christian Evidences.

C—*Biblical History.* 2 hours.

Wednesdays, Fridays, 3.

Professor PATTEN.

First Semester.—History of the Hebrews, from the Conquest to the Exile.

Second Semester.—History of the Jews, from the Exile to the Christian era.

Text: Lectures, and required readings. Kent's Historical series.

D—*Acts of the Apostles and the Epistles.* 2 hours.

Tuesdays, Thursdays, 4.

Professor PATTEN.

First Semester.—The Acts of the Apostles. An inductive study of the era of Apostolic Christianity.

Second Semester.—Selected Pauline Epistles.

Text: Cambridge Bible for Schools and Colleges, with lectures and required readings.

E—*History of Religion.* 2 hours.

Tuesdays, Thursdays, 3.

Professor PATTEN.

First Semester.—An inquiry into the origin of religion, with a survey of the principal religions of the world in their rise and development.

Text: Menzies' History of Religion, with required readings and papers.

Second Semester.—The History and Development of Christian Missions.

The main text in this course is Warneck's History of Protestant Missions, which is accompanied by lectures and required readings in selected mission hisory and literature.

F—*Comparative Religions.* 1 hour.

Hours to be arranged.

Professor TERRY.

This course is given in Garrett Biblical Institute.

Major: Ten year-hours.
Minor: Six year-hours.

For *Greek New Testament,* see under Greek (Course N).
For *Hebrew Old Testament,* see under Semitic Languages (Courses A and B).
For *History of the Christian Church,* see under History (Course L).

BOTANY.

A—*Biology of Plants.* 4 hours.

Mondays, Wednesdays, 2-4; Tuesdays, Thursdays, 2.

Professor ATWELL, MISS JEWELL, and MISS STURGEON.

The course covers the biology and morphology of typical plants selected from the more important natural groups. Ecology and classification receive special attention during the month of May. Laboratory and field work, with quizzes and informal lectures. Atkinson's Elementary Botany.

B—*Seed Plants.* 3 hours.

Mondays, Wednesdays, Fridays, 8-10.

Professor ATWELL and Miss STURGEON.

First Semester.—Histology and general morphology of the more common orders of flowering plants.
Second Semester.—Organography, classification, and ecology.

C—*Physiology of Plants.* 3 hours.

Mondays, Wednesdays, Fridays, 10-12.

Professor ATWELL and Miss JEWELL.

The course is experimental, and should be preceded by one course in botany or in general biology. Course A in Chemistry is also desirable. Books of reference are provided.

Courses A, B, and C constitute a good preparation for teaching botany in secondary schools.

D—*Cryptogamic Botany.* 2 hours.

Tuesdays, Thursdays, 10-12.

Professor ATWELL.

Comparative morphology of ferns, mosses, algæ, mushrooms, and toadstools. Laboratory work, lectures and field work. No text-book. Books of reference are provided. Should be preceded by Course A, or an equivalent. May be taken with Course C or B.

E—*Bacteria; Yeast; the Lower Fungi.* 2 hours.

Tuesdays, Thursdays, 8-10. (Not given in 1904-05.)

Professor ATWELL.

The cultivation in artificial media of bacteria of air, water, milk, and ice; the study of their physiology, morphology, and relation to fermentation and putrefaction. The study of yeast in relation to fermentation; and of such lower fungi as slime-moulds, fruit-moulds, mildews, and rusts in their relations to plant life.

Open to those who have completed Botany A or Zoölogy A and an elementary course in Chemistry.

This course alternates with Course D.

PRIMARILY FOR GRADUATES.

F—*Advanced Physiology of Plants.* 2-5 hours.

Hours to be arranged.

Professor ATWELL.

Extended experimental work upon definite physiological problems.

Open to students who have completed Courses A, B, and C, and an elementary course in Chemistry.

G—*Special Problems in Plant Life.* 3-5 hours.

Hours to be arranged.

Professor ATWELL.

Problems involving original investigation will be assigned to suit the needs of individual students.

Open to students who have completed the major requirements in Botany or Biology.

Major: Courses A, B, and C.
Minor: Courses A, and either B or C.

CHEMISTRY.

A—*General Chemistry.* 4 hours.

Section I. Tuesdays, Wednesdays, Thursdays, 1:30-4.
Section II. Mondays, Fridays, 1:30-4, and Tuesdays, Thursdays, 1:30-2:30.

Professor YOUNG and Mr. PEARCE.

Text and laboratory work, including in the last of the course an introduction to Qualitative Analysis.

B—*Qualitative Analysis and Organic Chemistry.* 4 hours.

Mondays, Fridays, 1:30-4; Wednesdays, 1:30-4:30.

Professor YOUNG and Mr. PEARCE.

Lectures, text, and laboratory work; the Organic Chemistry begins in January after the Christmas recess.

Open to those who have completed Course A.

C—*Quantitative Analysis.* 4 hours.

Tuesdays, Thursdays, 1:30-4:30; Wednesdays, 10-12.

Professor YOUNG and Mr. PEARCE.

First Semester.—Gravimetric Analysis.
Second Semester.—Volumetric Analysis.
Open to those who have completed Course A.

D—*Problems in the Application of Qualitative and Quantitative Analysis.* 2 hours.

Tuesdays, Thursdays, 10-12.

Professor YOUNG and Mr. PEARCE.

First Semester.—Examination of water, mainly from the sanitary standpoint.

Second Semester.—Examination of milk, butter, and other fats and oils. An alternative topic is iron and steel analysis.

Course D is open to those who have completed Courses A, B, and C.

E—*Advanced Course in General Chemistry.* 2 hours.

Professor YOUNG.

Students in Course D and others are offered an additional course of reading on somewhat advanced topics. The work has been based on Ostwald's Outlines of General Chemistry.

Major: Courses A, B, and C.
Minor: Courses A and B.

ECONOMICS, FINANCE AND ADMINISTRATION.

NOTE.—Courses A, C, and G in Economics require no introductory course, and any two of them may be taken together; but those who desire to take advanced courses in the subject should take Course A as a first course. Course F is supplementary to Course C and should be taken with that course. Those wishing to make a major in this department (ten year-hours) should begin the work in their second year in college, *but no student will be admitted to any of the courses until he has thirty hours of college credit,* except by special permission of the instructor in charge. Those desiring to specialize in Economics should have a good knowledge of general history, which may be gained in Course AB in History. History BC is recommended for those who take Economics D or H, and History G for those who take Economics C.

A—(1) *Economic Theory and* (2) *the Economics of Transportation.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor GRAY.

First Semester.—An introductory and elementary course in Economic Theory. Recitations, lectures, and frequent written tests. Walker's Political Economy (advanced course) is used as the chief text.

Second Semester.—Transportation. An elementary course in the theory and history of transportation. The development of the railroad, including the organization, management, and consolidation of corporations, the question of rates and of public control, state and federal. Hadley's Railroad Transportation and the Reports of the Interstate Commerce Commission are used as guides.

AB—*The Development of Economic Theory in the Nineteenth Century.* 2 hours.

Wednesdays, Fridays, 10. (Not given in 1903-04.)

Assistant Professor GEORGE.

The purpose of this course is to acquaint the student with the theory and literature of Economics during the nineteenth century. Especial attention is given to the later developments of the subject and to the training of the student in the critical consideration of economic principles and the anaylsis of economic conditions. In the second half-year, especial attention is given to the theory of distribution as developed in Marshall's Principles of Economics, Böhm-Bawerk's Positive Theory of Capital, Taussig's Wages and Capital, and Clark's Distribution of Wealth.

Open to those who have taken Course A or an equivalent.

B—*Administration.* 2 hours.

Wednesdays, Fridays, 8.

Professor GRAY.

A course in administrative law and the comparative theory and history of administration of the leading modern nations. The comparative central administration of the leading countries, together with a study of the legal relations existing between the different organs of administration, and the civil service reform movement in the United States are treated. Questions of local administration, with special reference to cities in the chief modern countries, are emphasized.

Goodnow's Comparative Administrative Law is used as the chief guide.

C—*Modern Industrial and Commercial History.* 3 hours.

Mondays, Wednesdays, Fridays, 11.

Professor GRAY.

The Industrial and Commercial History of Western Europe and America since the middle of the eighteenth century. The effects of modern inventions and political changes on trade and industry. The course is conducted by lectures, with prescribed topical readings. One written report of considerable length is required each semester.

Course C requires no previous training in Economics.

CD—*Early English Economic History.* 2 hours.

Tuesdays, Thursdays, 2. (Not given in 1903-04.)

Dr. WILLARD.

The chief subjects considered during the course are: The industrial and commercial history of England from the period of the Norman Conquest to the Industrial Revolution; the mediæval agricultural and industrial conditions; the organization and functions of the mediæval guilds; England's foreign trade during the Middle Ages; the decline of the mediæval system of agriculture and of industry, and the rise of a national commercial policy; the Tudor industrial and trade regulations and the struggle for colonies.

D—*Finance: Money and Banking.* 3 hours.

Mondays, Wednesdays, Fridays, 9.
(Not given in 1903-04.)

Assistant Professor GEORGE.

First Semester.—*Public Finance,* with especial reference to modern systems of taxation. A comparative study is made of the various systems of taxation in leading modern countries, and in the United States; the relation between existing methods of taxation and the present industrial organization is given especial attention.

Second Semester.—*Money and Banking.* The evolution of money and the standards of various countries; banking functions; clearing houses, and systems of credit. During the first semester Adams's Science of Finance is used, and during the second semester Dunbar's Theory and History of Banking and the report of the Monetary Commission serve as guides. Brief written reports on selected topics are required.

E—*Seminary.* 3 to 6 hours.

Tuesdays, 2-4.

Professor GRAY and Assistant Professor GEORGE.

The seminary is open to graduates and to a limited number of undergraduates who seem to the instructors prepared to make original investigations. No one will be allowed to register for less than three hours a week throughout the year. An undergraduate may not register for more than three hours except by permission of the Faculty.

Room 20 in the Library Building, containing a considerable library and a table with lock-drawer for each student, is set apart for the exclusive use of the members of this seminary.

Subjects for investigation can be definitely announced only after consultation with those who expect to take the work, the greatest liberty of choice being allowed each student.

The subjects for the current year (1903-04) are: Employers' Liability for Industrial Accidents in the United States, (2) A Study of Child Labor in Chicago, and (3) Assets Currency. A study of the Sugar Industry is suggested as one of the subjects for 1904-05.

F—*Commercial Geography and International Trade.* 1 hour.

Mondays, 8.

Professor GRAY.

A general survey of modern commerce. The mechanism, organization, and instruments of international trade; the points of origin and methods of producing and preparing for the market and transporting the more important articles entering into the commerce between nations.

Chisholm's Hand Book of Commercial Geography is used in connection with government publications on trade and industry.

Course F is supplementary to Course C and may well be taken in connection with it.

No credit will be given in Course F until the work of the year is completed.

G—*The Labor Question in Europe and in the United States.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

(Not given in 1903-04.)

Assistant Professor GEORGE.

The purpose of this course is to acquaint the student with the economic condition of the working-classes in Europe and the United States and to discuss the relation of labor organizations to capital in the production and distribution of wealth. The development of the labor contract, and of collective bargaining are emphasized; methods of industrial remuneration. During the year excursions are made to some of the leading mills and factories and to representative tenement-house and sweat-shop districts in Chicago.

This course requires no previous training in economics.

H—*Financial and Tariff History of the United States.* 2 hours.

Tuesdays, Thursdays, 8. (Not given 1903-04.)

Assistant Professor GEORGE.

First Semester.—*The Financial History of the United States.* A comprehensive review is made of the subject from 1789 to the present time. Bolles' Financial History, 1789-1860, and Noyes' Thirty Years of American Finance are used as guides.

Second Semester.—*The Tariff History of the United States.* A study is made of the successive tariff acts and their influence upon domestic industry and upon commerce and international trade. Taussig's Tariff History of the United States and Taussig's State Papers and Speeches on the Tariff are used as general texts.

Major: Course A or G and seven additional year-hours.
Minor: Course A or G and three additional year-hours.
Those making a major in Economics are recommended to make a minor in History.

ELOCUTION.

A—*First Course.* 2 hours.

Section I. Mondays, Wednesdays, 4.
Section II. Tuesdays, Thursdays, 4.

Professor CUMNOCK.

Russell's Manual of Elocution and Cumnock's Choice Readings are used. Instruction is given in the management and regulation of the breath; the proper use of the body in the development of vocal energy; the most advanced knowledge of English Phonation; the most approved methods of acquiring distinct articulation; the function of the natural and orotund voices; the application of force, stress, pitch, rate, quantity, and emphasis, and their importance in the dynamics of expressive speech; the use of inflection for the purpose of emphasis and melodious effect; the fundamental principles of gesture and their application.

B—*Study of Masterpieces of English Eloquence.* 2 hours.

Section I. Tuesdays, Thursdays, 8.
Section II. Wednesdays, Fridays, 8.

Professor CUMNOCK.

The chief object in Course B is to establish the student in the best literary and elocutionary form, by bringing him in contact with the most perfect models. In the second semester of this course the English of Shakespeare will be studied with the help of Abbott's Shakespearian Grammar.

C—*Principles of Vocal Expression.* 2 hours.
Mondays, Fridays, 9.
Professor CUMNOCK.

Course C is designed especially for the year of graduation. Great stress is laid upon the acquisition of perfect form in common reading and oratorical address. The written productions are carefully examined, and the class instruction is supplemented by personal advice and criticism.

D—*Bible, Hymn, and Liturgic Reading.* 2 hours.
Mondays, Fridays, 11.
Professor CUMNOCK.

As a result of the work in Course D, it is expected that the student will have the skill to read, with melodious effect and expressive power, the Bible, hymn book, and liturgy.

ENGLISH LANGUAGE.

A—*Rhetoric; Synonyms. Eight Essays.* 3 hours.
Mondays, Wednesdays, Fridays.
Ten sections, at 8, 8, 9, 9, 10, 10, 10, 11, 2, 2.
Professor CLARK, Dr. KELLOGG, Mr. ODELL, and Mr. CHURCHILL.

First Semester.—A practical drill in the avoidance of the common violations of good style.

Second Semester.—Rhetorical imagery and synonyms.

All students unless excused by the registration committee, take this course during their first year of residence. Students who show, early in the first semester, that they are seriously deficient in elementary English, will be required to take additional work in this subject for such time as may be found necessary. No credit will be given for any part of Course A, till the whole course, including the additional work already mentioned, shall have been completed.

B—*Prose Masterpieces; Paragraphing.* 2 hours.
Tuesdays, Thursdays, 9, 10.
Professor CLARK.

First Semester.—A study of the diction and the distinctive characteristics of the great writers of prose. This work is continued till about April 1, in each year.

Second Semester.—Paragraphing. Every member of the class writes two themes a week.

Open to those who have completed Course A.

C—*Versification; Poetic Masterpieces.* 2 hours.

Wednesdays, Fridays, 9.

Professor CLARK.

First Semester.—A study of the mechanics of English versification.

Second Semester.—A study of the diction and the distinctive characteristics of the great poets. This work begins about November 1, in the first semester.

Open to those who have completed Course A.

D—*History of the English Language; Anglo-Saxon; Early English.* 2 hours.

Tuesdays, Thursdays, 3.

Professor CLARK.

After reviewing the history of the English Language, the class takes up, briefly, the outlines of Anglo-Saxon grammar. The larger part of the year is devoted to the reading of selections from fifteen pre-Chaucerian authors, from Bæda to Gower, inclusive.

Open to all students who have completed Course A and at least one course in German.

E—*Forensics.* 2 hours.

Hours to be arranged.

Professor CLARK.

The class meets in small sections, and each member debates once a week on questions previously assigned. Reading references are given and briefs required.

Open to those who have completed Course A.

F—*Editorial Writing.* 2 hours.

Wednesdays, Fridays, 10.

Professor CLARK.

Every member of the class writes two short articles each week during the college year.

Open to all who have had Courses A and B.

G—*Biblical English.* 3 hours.

Hours to be arranged.

Professor CLARK.

A course in the diction, imagery, and idiom of the English Bible. For graduates only.

H—*The Longer Forms of Narration.* 2 hours.

Tuesdays, Thursdays, 4.

Mr. ODELL.

The so-called studio or literary method is used. Students are required, first, to condense, analyse, and rewrite short story masterpieces; later, to construct original stories, wholesome in motive, avoiding the sentimental, the morbid, and the extravagant. Much practice and little theory.

Major: Courses A and B and six additional year-hours, which may include Greek F if not used toward a major in Greek.

Minor: Courses A and B and two additional year-hours.

ENGLISH LITERATURE.

A—*The History of English Literature.* 2 hours.

Lecture, Monday, 9.

Six sections, Wednesdays, Thursdays, Fridays, 9, 10.

Professor THORNDIKE.

This course is intended to supply the student with the general outline and important facts of the history of literature and to serve as an introduction to the other courses in the department. Lectures, recitations, and a considerable amount of reading.

Required of all students in regular courses. Students are expected to take this course in the second year.

B—*The History of American Literature.* 2 hours.

Tuesdays, Thursdays, 8.

Assistant Professor CROW.

First Semester.—American Literature from 1607 to 1837.

Second Semester.—American Literature from 1837 to 1900.

C—*Chaucer.* 2 hours.

Tuesdays, Thursdays, 9. (Not given in 1903-04.)

Professor THORNDIKE.

A careful study of a large body of Chaucer's poetry.

D—*Shakespeare and the Elizabethan Drama.* 3 hours.

Mondays, Wednesdays, Fridays, 11.

Professor THORNDIKE.

First Semester.—Lectures on Pre-Shakesperian Drama and the reading of a number of plays. A careful and detailed study of three of Shakespeare's plays; for 1903-04, Richard II, King Lear, the Tempest.

Second Semester.—All of Shakespeare's plays are read in chronological order. Lectures on the development of Shakespeare's art, with especial attention to his relations to contemporary dramatists.

E—*Non-dramatic Poetry in the Sixteenth and Seventeenth Centuries.* 2 hours.

Hours to be arranged. (Not given in 1903-04.)

Professor THORNDIKE.

First Semester.—Spenser and his contemporaries.

Second Semester.—Milton and his contemporaries.

F—*Classicism 1660-1789.* 2 hours.

Tuesdays, Thursdays, 11.

(Given in 1903-04 and in alternate years.)

Professor THORNDIKE.

First Semester.—From the Restoration to the death of Pope, 1660-1745; Classicism in Poetry; the rise of the Essay; the development of Prose; the development of the Novel.

Second Semester.—From the death of Pope to the French Revolution, 1745-1789; the decline of Classicism; the beginnings of Romanticism.

G—*The Romantic Movement 1789-1830.* 2 hours.

Tuesdays, Thursdays, 10.

(Given in 1903-04 and in alternate years.)

Professor THORNDIKE.

First Semester.—Burns, Cowper, Crabbe, Blake, Wordsworth, Coleridge, Southey, Lamb, Jeffrey.

Second Semester.—Scott, Byron, Keats, Shelley, Leigh Hunt, De Quincey, Hazlitt.

H—*English Poetry from 1830 to 1880.* 2 hours.

Tuesdays, Thursdays, 11.

(Given in 1904-05 and in alternate years.)

Professor THORNDIKE.

First Semester.—Tennyson, Mrs. Browning.

Second Semester.—Browning, Matthew Arnold, Clough, the Rossettis, and other poets of the period.

I—*English Prose from 1830 to 1880.* 2 hours.

Tuesdays, Thursdays, 10.

(Given in 1904-05 and in alternate years.)

Professor THORNDIKE.

First Semester.—Carlyle, Newman, Emerson, John Stuart Mill.

Second Semester.—Matthew Arnold, Ruskin, Pater, Thackeray, Dickens, George Eliot, Meredith.

These writers are studied as representatives of the thought and life of the period. A large amount of reading and papers on topics suggested by the course are required.

J—*The Development of the Novel in English.* 2 hours.

Tuesdays, Thursdays, 9.

Assistant Professor CROW.

First Semester.—Mediæval and Elizabethan prose narratives; the classic novelists.

Second Semester.—Study of selected nineteenth-century novels; the short story.

K—*Seminary.* 3 hours.

Hours to be arranged.

Professor THORNDIKE.

Open to graduate students and to undergraduates whom the instructor in charge considers qualified.

In 1903-04, the subject is the period immediately preceding Shakespeare. In 1904-05, the subject will probably be the Elizabethan Drama.

Major: Course A and eight additional year-hours, which may include English Language D.

Minor: Course A and four additional year-hours.

GEOLOGY.

A—*General Geology; Physiography.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor GRANT.

A general introduction, including dynamical, structural, and historical geology, followed by physiographic geology and the physiography of the United States. Lectures, recitations, readings, and the study of specimens, maps, and models.

In this course, and in the other courses in geology, part of the work consists of excursions taken into the adjacent country for the study of geological phenomena in the field.

A knowledge of the elements of chemistry and physics will be advantageous to those taking courses in geology, and will be necessary for those who take a major in geology.

Course C may be taken conveniently in connection with Course A.

AA—*Geology and Physiography.* 1 or 2 hours.

Professor GRANT.

This course is intended for teachers, and not for regular college students. It will be given in 1904-05, provided a sufficient number desire it, at such hours as may be agreed upon.

B—*Economic Geology.* 2 hours.

Tuesdays, Thursdays, 11.

Professor GRANT.

The materials of economic importance obtained from the earth's crust are to be studied from the standpoints of geological relations, origin, geographical distribution, exploration, use, etc. The chief subjects considered are coal, natural oil, and gas, building materials, soils, ores of the important metals (such as iron, copper, lead, zinc, silver, gold), and water supply.

Open to those who have completed Geology A or Mineralogy A. Students taking this course should have some knowledge of chemistry. The second semester of Course B may be taken without the first.

C—*Practical Geology.* 2 hours.

Tuesdays, Thursdays, 10.

Professor GRANT.

A more extended study of important topics of dynamical and structural geology; methods of geological work; preparation of a geological and topographical map of a small area. Owing to the nature of the work, part of the time devoted to this course must be given on afternoons or Saturdays instead of at the hours mentioned above.

Open to those who are taking or who have completed Course A. The second semester of Course C may be taken without the first.

D—*Paleontology; Historical Geology.* 2 hours.

Hours to be arranged.

Professor GRANT.

First Semester.—Paleontology. A discussion of the principles of paleontological geology and a study of the more important groups of fossils.

Second Semester.—Historical Geology. A study of historical geology, with special reference to the stratigraphy of the United States, the development of the North American continent, and the life characteristics of the different periods.

Open to those who have completed Course A.

E—*Petrology; Elementary Course.* 4 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, 2-4.

Professor GRANT.

The first part of the course is devoted to the study and determination of the common rock-forming minerals by means of the petrographical microscope, and the second part is devoted to the study of the more important rocks.

Open to those who have completed Geology A or Mineralogy A.

NOTE.—It is expected that of Courses B, D, and E not more than two will be given in any one year. Students desiring to take any of these three courses should consult with the instructor before registering.

F—*Advanced Course.*

Credit and hours to be arranged.

Professor GRANT.

Students who have completed certain of the preliminary courses may take up the study of some particular phase of geology, or of the geology of some particular district.

G—*Primarily for Graduates.*

Credit and hours to be arranged.

Professor GRANT.

Graduate work is offered along the following lines: (*a*) *Advanced Petrology.* (*b*) *Pre-Cambrian Geology.* A study of the principles and methods used in investigating the non-fossiliferous rocks, followed by a study of the geology of the Lake Superior region with special reference to the formations which contain the extensive deposits of copper and iron ores. (*c*) *Research Work.* Investigating along certain lines, especially the geology of some particular district.

It is expected that work along *both* (*a*) and (*b*) above will not be given in one semester, while work under (*c*) may be carried on at any time.

Major: Course A and seven additional year-hours, which may include Mineralogy A.

Minor: Course A and three additional year-hours.

GERMANIC LANGUAGES AND LITERATURES.

AA—*Elementary German.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 2.

Mr. EDWARD.

Pronunciation, grammar, selections in prose and verse, German composition. Open to those who have less than fifteen year-hours of college credit.

This course may not be taken to remove language requirements for admission.

AB—*Elementary German.* 4 hours.

Mondays, Tuesdays, Thursdays, Fridays, 8, 10.

Professor CURME. Dr. SIMPSON.

Pronunciation, grammar, selections in prose and verse, German composition.

This course may not be taken to remove language requirements for admission.

(b)—*Elementary German, Second Unit.* 4 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, 8, 10.

Miss CARAWAY.

Grammar, reading, German composition. Open to students who have presented but one unit of German for admission to college.

This course is given in the Academy.

A—*Intermediate German.* 4 hours.

Tuesdays, Wednesdays, Thursdays, Fridays, 9, 10, 11.

Dr. SIMPSON. Mr. EDWARD.

First Semester.—Lessing's Minna von Barnhelm and Emilia Galotti; German lyrics and ballads; Schiller's Wilhelm Tell; German composition once a week.

Second Semester.—Lyrics and ballads; Schiller's Maria Stuart; Goethe's Hermann und Dorothea; German Composition.

Open to students who have presented two units of German for admission to college and to those who have completed either Course AA or AB.

BB—*Classical Prose and Poetry; Composition.* 4 hours.

Mondays, Tuesdays, Thursdays, Fridays, 11.

Dr. SIMPSON.

Lessing, Goethe, Schiller, Heine, and Grillparzer.

This course is planned especially for those students who have had three years' secondary work in German.

B—*Goethe's Life and Works, 1749-1790.* 3 hours.

Mondays, Wednesdays, Fridays, 8, 11.

Professor HATFIELD. Professor CURME.

First Semester.—Dichtung and Wahrheit, Goetz von Berlichingen, Werther, and the earlier lyrics. Study of the life of Goethe, for which purpose the possession of Heinemann's Goethe is very desirable.

Second Semester.—Lyrics, Egmont, Iphigenie, Tasso, Italienische Reise.

Course H may suitably be combined with this course.

Open to those who have taken Course A or BB. Course B

may be taken a second time, with new subject matter, for a credit of two hours.

In 1904-05, the work of Course B will be centered about the period of the Thirty Years' War as treated in literature.

C—*German Literature.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

(Not given in 1904-05.)

Professor HATFIELD.

First Semester.—Volkslied and Kirchenlied.

Second Semester.—The Romantic Movement and the Swabian School.

Open to those who have completed Course B. The ability to interpret German works by an effective oral rendition of the original, as well as to take lectures delivered in German, is presupposed.

D—*The History of German Literature.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Professor HATFIELD.

A systematic study of German literature from the earliest times. Scherer's *History of German Literature* and Max Müller's *German Classics* will be used.

Open to those who have completed Course B, under the conditions mentioned under Course C.

E—*Advanced group.* 2 hours.

Saturdays, 8:30-10, (subject to change).

Professor HATFIELD.

First Semester.—From Luther to Goethe.

Second Semester.—German Lyric Poetry from 1813 to 1870, with especial attention to Platen and Heine.

This course, which is given on the seminary plan, is intended chiefly for graduate students, and in all cases enrollment will be at the discretion of the instructor. As far as opportunity allows, suitable original work will be brought to publication.

F—*Goethe's Life and Works, 1749-1790.* 2 hours.

Tuesdays, Thursdays, 3.

Dr. SIMPSON.

Open to those who have completed Course B.

G—*Colloquial German.* 1 hour.

Tuesdays, Thursdays, 9.

Mr. EDWARD.

Meissner's German Conversation, Kron's German Daily Life, and other material. Open to all who have had one year of German, and to others by special permission.

H—*Advanced German Composition.* 2 hours.

Mondays, Wednesdays, 8.

Mr. EDWARD.

Von Jagemann's Syntax and Prose Composition; White's Selections for German Prose Composition with specially assigned original work. International correspondence with students living in Germany. Open to those who have had Course A, or its equivalent.

J—*Modern German Drama.* 2 hours.

Tuesdays, Thursdays, 4.

(Given in 1903-04, and in alternate years.)

Professor CURME.

Two courses in Modern German Drama are given under this heading in alternate years. They present an outline of German life in the nineteenth century as reflected in the drama, exclusive of the classical works of Goethe and Schiller.

(a) First Half of the Century. Heinrich Von Kleist, Grillparzer, Raimund, Gutzkow, Hebbel, Otto Ludwig.

(Given in 1904-05, and in alternate years.)

(b) Second Half of the Century. Anzengruber, Wildenbruch, Sudermann, Hauptmann, Fulda, Georg Hirschfeld, Otto Ernst.

K—*Gothic and Old High German.* 4 hours.

Hours to be arranged.

Professor CURME.

First Semester.—Gothic. Streitberg's Gotisches Elementarbuch, Stamm-Heyne-Wrede's Ulfilas, Uhlenbeck's Wörterbuch der gotischen Sprache, and Grienberger's Untersuchungen zur gotischen Wortkunde.

Second Semester.—Old High German. Braune's Althochdeutsche Grammatik. Braune's Althochdeutsches Lesebuch.

The study of the photographic reproductions of the old manuscripts of the period in Enneccerus' Die ältesten deutschen Sprachdenkmäler and Hench's Der Althoch deutsche Isidor.

L—*Middle High German; Old Saxon; Comparative Grammar.* 4 hours.

Hours to be arranged.

Professor CURME.

First Semester.—The study of the growth and development of High German begun in Course K is continued here. The following masterpieces are read: Zarncke's edition of the Nibelungenlied; Hartmann von Aue's Iwein; Walther von der Vogelweide's poems.

Second Semester.—Old Saxon. Comparative grammar.

(a) Old Saxon. Holthausen's Altsächsisches Elementarbuch, Behaghel's Heliand accompanied by the study of the photographic reproductions of the old manuscripts of this period in Gallée's Facsimilesammlung. (2 hours weekly.)

(b) COMPARATIVE GRAMMAR. The phonology and inflectional systems of the Germanic languages are compared with one another and those of other languages of the Indo-European family. Streitberg's Urgermanische Grammatik, Hirt's Der Indo-Germanische Ablaut and Dieter's Altgermanische Dialekte are used as texts. (2 hours weekly.)

M—*Icelandic (Old Norse).* 2 hours.

Hours to be arranged.

Dr. SIMPSON.

Kahle's Altisländisches Elementarbuch. Selections from the Younger and Elder Edda. Text-books: Hildebrand's Lieder der älteren Edda; Gering's Glossar zu den Liedern der Edda; Noreen's Altnordische Grammatik.

For advanced and graduate students; the course to be given provided not less than three students elect the same.

Major: Courses A (or BB) and B and six additional year-hours.

Minor: Courses A (or BB) and B.

Courses B, G, and H, should be taken by all who intend to become teachers of German in secondary schools.

GREEK LANGUAGE AND LITERATURE.

AA—*White's First Greek Book Complete and the First Book of Xenophon's Anabasis. Greek Composition.* 5 hours.
Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 10.
Professor SCOTT.

This course may not be taken to remove language requirements for admission.

AB—*Xenophon's Anabasis, Books II, III, IV. Thirty lessons in Greek Composition, Homer's Iliad, three books.* 5 hours.
Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 9.
Professor SCOTT and Mr. ELMQUIST.

Courses AA and AB are designed for students who enter college without Greek.

A—*Lysias, Select Orations. Plato's Apology. Homer. Greek Composition based on the text.* 4 hours.
Tuesdays, Wednesdays, Thursdays, Fridays, 11.
Professor BAIRD and Professor SCOTT.

B—*Xenophon's Memorabilia of Socrates. Plato's Gorgias. Sophocles' Antigone. Aristophanes' Clouds.* 3 hours.
Mondays, Wednesdays, Fridays, 10.
Professor BAIRD and Mr. OLDFATHER.

C—*Selections from Lyric Poets. Æschylus' Prometheus Bound. Aristophanes' Clouds. Euripides' Bacchæ.* 2 hours.
Tuesdays, Thursdays, 3. (Not given in 1904-05.)
Professor SCOTT.

D—*Sophocles' Oedipus Tyrannus. Plato's Protagoras. Demosthenes on the Crown. Æschines Against Ctesiphon. New Testament. Lucian.* 2 hours.
Hours to be arranged. (Not given in 1903-04.)
Professor SCOTT and Professor BAIRD.

F—*History of Greek Literature from Homer to Theocritus.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Professor BAIRD.

This course consists of lectures, and recitations based on translations. No knowledge of Greek is required. The aim is to secure familiarity with the great masterpieces of Greek literature. This course is especially important to those who expect to become teachers of literature.

Open to all students who have completed thirty hours.

G—*Greek Oratory.* 4 hours.

Hours to be arranged. (Not given in 1903-04.)

Professor SCOTT.

H—*Herodotus and Greek Lyric Poetry.* 4 hours.

Hours to be arranged. (Not given in 1904-05.)

Professor SCOTT.

N—*The Gospels according to Luke and John. The Acts of the Apostles.* 4 hours.

Tuesdays, Wednesdays, Thursdays, Fridays, 10.

Professor HAYES.

This course is given in Garrett Biblical Institute.

Major: Courses A and B and five additional year-hours, not including Course N.

Minor: Courses A and B.

HISTORY.

NOTE.—The alphabetical arrangement of courses in this department does not signify the order in which they shall be taken. Courses A, C, BC, or D may be chosen as a first course. Courses D, E, and F, may be taken most profitably in the order named. The usual method of conducting the courses in History is by lectures, collateral reading, and text-books.

AB—*General History.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

(Not given in 1904-05.)

Assistant Professor WILDE.

This course is designed to give a general view of the field of

history to 1789. It will serve as an introduction to the national histories, or as an intensive study of the periods of history.

First Semester.—To the Renaissance.

Second Semester.—To 1789.

No credit can be given for the first semester of this course to those students who have already taken Courses D and E; nor in the second semester to those who have had Courses F and G.

A—*English History.* 3 hours.

Mondays, Wednesdays, Fridays, 3.

Dr. WILLARD.

English political history from the Anglo-Saxon period to the present day. In addition to the strictly political history of England, the development of governmental institutions and the condition of the church will receive some attention.

B—*English Constitutional History.* 2 hours.

Wednesdays, Fridays, 2.

Dr. WILLARD.

The constitutional history of England from the Anglo-Saxon period to the present day. The course is designed to show the historical development of the modern English government, with especial reference to Parliament. Intended especially for those students who expect to study law.

Open to all who have sixty semester-hours of credit, after consultation with the instructor in charge.

C—*Colonial and Constitutional History of the United States.* 2 hours.

Tuesdays, Thursdays, 3. (Not given in 1903-04.)

Professor SHEPPARD.

First Semester.—Settlement of the Colonies, French and Indian War, and the Revolution.

Second Semester.—Constitutional History of the United States.

BC—*American History.* 3 hours.

Mondays, Wednesdays, Fridays, 11.

Professor JAMES.

The Political History of the United States from the Revolution. The formation of the Union, the rise and growth of parties, the influence of westward expansion and of slavery on the political life.

D—*Greek and Roman History.* 2 hours.
Tuesdays, Thursdays, 9.
Assistant Professor WILDE.

First Semester.—History of Greece from the earliest times to the Roman Conquests. Constant use of the library for the literature of the subject; reports on reading.

Second Semester.—History of Rome from the earliest times to the fall of the Empire in the West. Assigned reading with reports on same, submission of a thesis.

Either semester of this course may be taken without the other.

E—*Continental Europe during the Middle Ages.* 3 hours.
Mondays, Wednesdays, Fridays, 10.
Assistant Professor WILDE.

This course is intended to furnish an outline of the history of Europe from the fall of Rome to about the middle of the thirteenth century. It deals with the political, religious, and intellectual development of the period. One thesis is required.

Open to those who have thirty semester-hours of credit.

F—*The Renaissance and the Reformation.* 2 hours.
Tuesdays, Thursdays, 10.
Assistant Professor WILDE and Dr. WILLARD.

First Semester.—The Political History of Europe from the middle of the thirteenth century to the close of the fifteenth century; the Renaissance, especially in Italy,—the intellectual development, its contacts with antiquity and the Middle Ages, and its influence on modern life.

Second Semester.—The Reformation, especially in Germany, France, and England; reforming movements before the Reformation; ecclesiastical, political, and social effects of the Reformation.

Either semester of this course may be taken without the other.

Open to those who have thirty hours of credit.

G—*European History since the Outbreak of the French Revolution.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor JAMES.

Political History showing the progress of Democracy, and aiming to give an understanding of the present condition of European politics.

First Semester.—Causes and Events connected with the Period of the French Revolution and the Napoleonic Wars.

Second Semester.—The Evolution of Constitutional Government in the European States; Unification of Germany and of Italy; the Eastern Question and present political conditions.

Open to those who have sixty hours of credit. Other students desiring to take the course must receive special permission from the instructor in charge.

H—*Diplomatic History of the United States.* hours.

Tuesdays, Thursdays, 11.

Dr. WILLARD.

History of the foreign relations of the United States from the beginning of the Revolution to our own time. Special attention is given to the commercial treaties following the Revolution, annexations of territory, the relations with Spanish America, and the period of the Civil War.

I—*Methods of Teaching History, with special reference to the work of Secondary Schools.* 1 hour.

Hour to be arranged.

Professor JAMES and Assistant Professor WILDE.

Open to those who make History their major and to others of suitable preparation, after consultation with one of the instructors in charge.

Given only in the Second Semester.

J—*Teachers' Course.* 1 hour.

Hour to be arranged.

Professor JAMES and Assistant Professor WILDE.

This course is intended primarily for the teachers of History in the schools of Evanston and vicinity. During the

year 1903-04, the work consisted of a study of the French Revolution and the Napoleonic Period.

College credits may be secured if arranged for at the time of registration.

L—*Church History.* 3 hours.

Tuesdays, Wednesdays, Fridays, 10.

Professor LITTLE.

Post-Nicene History of the Christian Church. Christianity within the Roman Empire; the struggle of the Church with Paganism, with Barbarism, and with Mohammedanism; the Development of the Hierarchy; the Rivalries of the Patriarchates; the upbuilding of the Papacy and the growth of Monachism; the Relations of the Popes to the Byzantine, Frankish, and German Emperors; the Crusades; the growth and decay of Papal Power; the Monastic Schools; the Universities; the Mendicants and Mediæval Heretics; Scholasticism and Superstition; the Church and Mediæval Society; History of the Reformation and of the Modern Church.

Open to those who have had a course in General History, and have sixty semester-hours of credit.

This course is given in Garrett Biblical Institute.

PRIMARILY FOR GRADUATES.

K—*The Fall of Rome and the Rise of the New Nations.* 2 hours.

Hours to be arranged. (Not given in 1903-04.)

Assistant Professor WILDE.

A study of the last years of the Roman Empire, the causes of its fall, contacts of Romans and Germans, invasions of the Germans, foundation of the Germanic states on the soil of the empire, early developments in the Frankish kingdom.

Some facility in reading Latin, French, and German is required for this course.

M—*Seminary in American History.* 3 hours.

Hours to be arranged.

Professor JAMES.

Open only to those whom the Professor in charge considers qualified. One meeting of two hours each week; but each student must give sufficient time in preparation to entitle

him to three hours of credit. Additional credits may be acquired if arranged for at the time of registration.

In 1904-05, the subject for consideration will be the Diplomatic History of the United States during the administrations of Washington and Adams. Material secured from the French archives will form a basis for the work.

Major: Course AB, or A, or BC, and seven additional year-hours.

Minor: Course AB, or A, or BC, and three additional year-hours.

Those making a major in History are recommended to make a minor in Economics.

LATIN LANGUAGE AND LITERATURE.

A—*Livy, Cicero, Terence.* 4 hours.

Mondays, Tuesdays, Thursdays, Fridays.

Four sections, 9, 10, 11, 2.

Assistant Professor LONG and Mr. OLDFATHER.

First Semester.—Livy, two books, with an additional historical selection.

Second Semester.—Cicero de Amicitia; Terence, Adelphoe and Phormio.

Latin composition throughout the year; grammatical reviews.

B—First Semester.—*Horace, Odes and Satires.* 3 hours.

Second Semester.—*Tacitus, Agricola and Germania.*

Section I.—Tuesdays, Thursdays, Fridays, 9.

Section II.—Mondays, Wednesdays, Fridays, 11.

Professor BONBRIGHT and Assistant Professor LONG.

With this course it is strongly advised that Greek and Roman History be included as an elective; see History D, page 117.

C—*Literature of the Empire.* 3 hours.

Tuesdays, Thursdays, Fridays, 11.

Professor BONBRIGHT.

First Semester.—Prose selections.

Second Semester.—Poetry.

D—First Semester.—*Tacitus, Annals—Reign of Tiberius, with comparison of authorities.*

Second Semester.—*Lyric and Elegiac Poetry, Catullus, Tibullus, and Propertius. Lectures on the origin and development of the Latin Elegy.* 3 hours.

Tuesdays, Thursdays, Fridays, 11.

(Not given in 1904-05.)

Professor BONBRIGHT.

E—First Semester.—*Lucretius, two books, interpretation with lectures.* 2 hours.

Second Semester.—*Cicero, philosophical selections.*

Tuesdays, Thursdays, 10. (Not given in 1904-05.)

Professor BONBRIGHT.

F—*Latin Comedy and Satire.* 2 hours.

Tuesdays, Thursdays, 10.

Professor BONBRIGHT.

First Semester.—History of the Roman drama, lectures; Plautus, two or three plays.

Second Semester.—Satiric Poetry and Epigram—Juvenal; Martial.

G—*Latin Literature.* 1-2 hours.

Time to be arranged.

Professor BONBRIGHT.

Historical survey, study of representative writers.

H—*Vergil.* 2 hours.

Tuesdays, Thursdays, 3. (Not given in 1903-04.)

Assistant Professor LONG.

First Semester.—Bucolics and Georgics; lectures introductory to the general study of Vergil and the Roman epic.

Second Semester.—Æneid entire; preparation of papers on assigned topics with lectures.

J—*Latin Composition.* 1 hour.

Fridays, 3.

Assistant Professor LONG.

This course presupposes Course A, or its equivalent, and will involve more advanced study of Syntax throughout the year.

K—*Cicero, Orations; advanced Latin Composition.* 2 hours.
Tuesdays, Thursdays, 3.
Assistant Professor LONG.

First Semester.—Selections from the early orations of Cicero; study of rhetorical method and development of style, together with readings from the Rhetorical works.

Second Semester.—Practice in writing Latin, based in part on standard prose selections. Problems of Syntax are discussed and special attention given to the study of Latin prose style.

L—*Cicero, Letters.* 2 hours.
Tuesdays, Thursdays, 3. (Not given in 1904-05.)
Assistant Professor LONG.

The study of the diction and style of Cicero and his correspondents is continued throughout the year.

Major: Courses A and B, with C or D, and E or F, or an approved equivalent.
Minor: Courses A and B.

MATHEMATICS.

A—*Algebra and Plane Trigonometry.* 4 hours.
Mondays, Tuesdays, Wednesdays, Thursdays.
Seven sections at 8, 9, 10, 11, 11, 2, 3.
Professor WHITE, Dr. KEPPEL, and Mr. YOUNG.

First Semester.—Algebra, including the theory of quadratic equations, ratio and proportion, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, with an introduction to the general theory of equations and determinants. Emphasis is laid upon the use of graphs.

Second Semester.—Plane Trigonometry, including the solution of oblique triangles.

Required of all candidates for a degree, except those who elect Course AB.

AB—*Trigonometry, Algebra, and Analytical Geometry.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays, 10.

Dr. KEPPEL.

First Semester.—Plane Trigonometry and Algebra; a briefer course than is given in Course A.

Second Semester.—Plane Analytical Geometry. An elementary course on the straight line and conic sections.

Course AB may be taken by any student who has met the entrance requirements in Algebra.

AA—*Advanced Algebra.* 2 hours.

Tuesdays, Thursdays, 9.

Dr. KEPPEL.

Second Semester.—A continuation of the work in Algebra of Courses A and AB, covering the elements of the theory of equations, determinants, and irrational numbers.

Open to students who have completed the first semester of either Course A or Course AB, and recommended to all who expect to teach mathematics in secondary schools.

B—*Plane Analytical Geometry and Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

Professor WHITE.

First Semester.—Plane Analytical Geometry; an elementary course on the straight line and conic sections.

Second Semester.—Differential and Integral Calculus; a brief course in formal differentiation and integration of the common functions, with applications to maxima and minima, indeterminate expressions, lengths and areas of plane curves, and volumes of solids.

Open to students who have completed Course A or its equivalent.

BB—*Differential and Integral Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor WHITE.

First Semester.—Theory of limits, differentiation of common functions, maxima and minima.

Second Semester.—Indefinite and definite integrals, change of variable, areas and volumes, average values of functions.

Open to students who have completed Course AB or its equivalent.

C—*Elementary Mechanics.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor HOLGATE.

First Semester.—Statics. Composition and resolution of forces, moments of force, general conditions of equilibrium, friction.

Second Semester.—Dynamics. Velocities and accelerations, simple harmonic motion, work, energy.

Open to students who have completed Course A or its equivalent.

D—*Theory of Equations and Determinants.* 2 hours.

Tuesdays, Thursdays, 9.

Professor HOLGATE.

First Semester.—The graph of an equation, multiple roots, symmetric functions of the roots, transformations, determinants.

Second Semester.—Solution of cubic, quartic, and cyclotomic equations; existence of a root of the general equation; insolubility of the general quintic.

E—*Solid Analytical Geometry.* 3 hours.

Mondays, Wednesdays, Fridays, 10.

Professor WHITE.

Second Semester.—An introductory course in Analytical Geometry of Three Dimensions. May be taken in the second semester as a continuation of Course B, or may be elected by students who have completed Course AB or its equivalent.

F—*Geometrical Applications of the Calculus.* 3 hours.

Mondays, Wednesdays, Fridays, 2.

(Not given in 1903-04.)

Professor WHITE.

Infinitesimal Analysis applied to plane curves, twisted

curves, and surfaces. Developables, evolutes, geodesic lines, curvature, congruences of lines, contact of curves and surfaces.

G—*Analytical Geometry.* 3 hours.
Mondays, Wednesdays, Fridays, 8.
Dr. KEPPEL.

Open to students who have taken a previous course in Analytical Geometry. The first semester is devoted to a detailed study of the conic sections. The work of the second semester comprises systems of conics, envelopes, the principle of duality, projection, etc.

H—*Modern Synthetic Geometry.* 3 hours.
Mondays, Wednesdays, Fridays, 10.
(Not given in 1903-04.)
Professor HOLGATE.

Introduction of infinitely distant elements into geometry; central projection; perspectivity and projectivity; generation of conics from projective forms; properties of ruled quadric surfaces; involution; poles and polars; systems of conics.

Open to students who have completed one year of work from Courses B, C, or BB.

J—*Definite Integrals and Differential Equations.* 3 hours.
Mondays, Wednesdays, Fridays, 11.
Mr. YOUNG.

First Semester.—Integral Calculus; Definite Integrals, with application to surfaces, volumes, averages, and center of mass.

Second Semester.—Differential Equations, together with chapters on cycloids and other roulettes.

K—*Analytical Mechanics.* 2 hours.
Tuesdays, Thursdays, 8. (Not given in 1903-04.)
Professor HOLGATE.

A course in Theoretical Mechanics, open to students who have taken Course B or its equivalent. It includes a study of vectors, uniformly accelerated motions, simple harmonic motions and their composition, elliptic motion, central orbits, force, energy, work, etc.

L—*Surveying; theory and practice.* 2 hours.
Tuesdays, Thursdays, 8.

Dr. KEPPEL.

The use and adjustments of the compass, engineer's transit, solar compass and Y level; the keeping of records and platting of observations; calculation of heights, distances, and areas; elements of the theory of errors. Field work with the instruments will be carried on in small divisions in the fall and spring.

M—*Primarily for Graduates.* 3 hours.
Wednesdays, Fridays, 4:30 to 6.

Professor WHITE.

First Semester.—Theory of Functions of a complex variable.

Second Semester.—Plane curves of Third Order, and Elliptic Functions.

N—*Primarily for Graduates.* 2 hours.
Hours to be arranged.

Professor HOLGATE.

First Semester.—The synthetic treatment of linear systems of conic sections.

Second Semester.—The Theory of Numbers.

O—*Theory of Groups.* 3 hours.
Tuesdays, Thursdays, 4 to 6.

Mr. YOUNG.

First Semester.—Groups of finite order, with applications to the theory of Algebraic Equations.

Second Semester.—Groups of infinite order, continuous and discontinuous, with applications to Geometry, Differential Equations, and the Theory of Functions.

P—*Algebraic Equations and Algebraic Geometry.* 2 hours.
Fridays, 2 to 4.

Dr. KEPPEL.

Major: Fourteen year-hours including Courses A or AB, and B or BB.

Minor: Courses A or AB, and B, BB, or C.

MINERALOGY AND ECONOMIC GEOLOGY.

A—*Mineralogy; Blowpipe Analysis.* 3 hours.

Lecture, Wednesdays, 11. Laboratory hours to be arranged between 8 and 12.

Professor CROOK.

First Semester.—Mineralogy; elements of crystallography; descriptive Mineralogy, including physical properties, chemical composition, occurrence, and association of minerals; determination of minerals by physical characteristics. Dana's "Text-Book of Mineralogy."

Second Semester.—Blowpipe analysis; wet and dry methods of investigation to confirm physical determinations. Landauer's "Blowpipe Analysis."

C—*Economic Geology.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

Professor CROOK.

First Semester.—A study of soils, fertilizers, abrasives, and lubricants, refractory and fictile materials, building stone, coal, mineral oil, and natural gas—substances embraced under the designation of non-metallic mineral resources.

Second Semester.—Metallic mineral products—gold, silver, platinum, copper, iron, lead, zinc, mercury, and some metals of minor importance—studied in regard to their origin, geological relations, geographical distribution and uses.

Tarr's "Economic Geology of the United States."

D—*Physical Crystallography.* 2 hours.

Hours to be arranged.

Professor CROOK.

Optical, thermal, magnetic, and molecular properties of crystals. Wooden and glass models, reflecting goniometer and microscope used.

Williams' "Elements of Crystallography" and Groth's "Physikalische Krystallographie."

E—*Assaying.* 2 hours.

Wednesdays, 2-6.

Professor CROOK.

First Semester.—Fire assay for base metals; and scorification, cupellation, parting, and weighing of gold and silver.

Second Semester.—Crucible process for assay of precious metals, and general methods for copper, lead, and zinc.

Open to those students who have completed Chemistry A and Mineralogy A.

F—*Advanced Course.* 2 to 5 hours.

Hours to be arranged.

Professor CROOK.

A continuation of the work begun in any one of the courses in general mineralogy, blowpipe analysis, optical mineralogy, or economic geology, for the purpose of preparing the student to enter upon work of special investigation.

G—*Research Course.* 5 to 15 hours.

Hours to be arranged.

Professor CROOK.

For graduate students who have completed the requirements for major work in the department. Special investigation of the physical and chemical properties of some mineral or group of minerals, or particular study of a region of importance from the point of view of economic geology. A full knowledge of the literature of the subject is involved, and ability to use French and German is necessary.

Major: Course A and seven additional year-hours, which may include Geology A.

Minor: Course A and three additional year-hours.

MUSIC.

A—*Harmony.* 2 hours.

Mondays, Wednesdays, 3.

Professor LUTKIN.

First Semester.—Intervals, triads, triad harmonization with near modulations, inversions, ear-training.

Second Semester.—Harmonization with addition of dominant, supertonic, and diminished sept-chords, modulations, cadence formulas, dictation, chord sequences at piano.

B—*Harmony and Musical Form.* 2 hours.
Mondays, Thursdays, 11.
Professor LUTKIN.

First Semester.—Collateral sept-chords, suspensions, altered and extended chords, tones foreign to the harmony, organ point, remote modulations.

Second Semester.—Composition of melodies, anglican chants and hymn tunes; song, trio and rondo forms; variations, inventions and suites, sonata, canon and fugue.

D—*Counterpoint.* 2 hours.
Tuesdays, Fridays, 11.
Professor LUTKIN.

First Semester.—Counterpoint in two and three parts.

Second Semester.—Counterpoint in three and four parts, canon, two-part fugues.

E—*Counterpoint.* 1 hour.
Mondays, 2.
Professor LUTKIN.

First Semester.—Counterpoint in five and more parts.

Second Semester.—Double and triple counterpoint, imitation, figured chorals.

F—*Canon and Fugue.* 1 hour.
Hour to be arranged.
Professor LUTKIN.

Canons in the various intervals, by inversion, diminution, augmentation, retrogression, etc. Tonal and real fugues in two to five parts, double fugues.

G—*Musical History.* 2 hours.
Tuesdays, Thursdays, 3.
Professor SAIDEE KNOWLAND COE.

First Semester.—Primitive music, music of China, Japan, Africa, India, and the American Indians, with illustrations; the Greek music system, early ecclesiastical styles, polyphonic music of the Middle Ages, history of notation, analysis of the instruments of the orchestra, biographies of noted musicians.

Text-book, Fillmore's "Lessons in Musical History." Six illustrated lectures.

Second Semester.—Development of the oratorio, illustrations from Cavaliere, Mazzochi, Carissimi, Scarlatti, Stradella; critical analysis from scores of Handel's "Messiah."

Development of the opera, the camerta, Caccini, Lully, Purcell, comparison of opera of Italy, France, and Germany.

Critical analyses from the scores of Wagner's Music Dramas, including the "Rheingold," "Walkyrie," "Siegfried," and "Götterdämmerung."

Text-book, Henderson's "How Music Developed." Nine illustrated lectures.

H—*Elementary Sight-Reading and Choral Practice.*

Mondays, Thursdays, 4:15 (half-hour periods).

Mr. COZINE.

Open to students in the College of Liberal Arts upon the payment of a special fee of three dollars a semester.

This course bears no college credit.

I—*Analysis.*

Wednesdays, 11.

Professor LUTKIN.

First Semester.—Bach's inventions, song forms (principally Mendelssohn and Chopin).

Second Semester.—Fugues (Bach's Well-tempered Clavichord), sonatas (Mozart, Haydn, Beethoven).

This course bears no college credit.

K—*Advanced Harmony.* 1 hour.

Thursdays, 2.

Professor LUTKIN.

Modern harmony, chromatic alterations, irregular resolutions, and free use of dissonances.

L—*Advanced Analysis.*

Thursdays, 3.

Professor LUTKIN.

First Semester.—Sonatas and fugues.

Second Semester.—Symphonies.

This course bears no college credit.

M—*Free Composition.* 1 hour.

Hour to be arranged.

Professor LUTKIN.

First Semester.—Homophonic forms.
Second Semester.—Sonata forms.

N—*Instrumentation.* 1 hour.

Hour to be arranged.

Professor LUTKIN.

O—*Advanced History of Music.* 1 hour.

Wednesdays, 3.

Professor SAIDEE KNOWLAND COE.

First Semester.—The beginning of music, folk music and its influence upon art music, Indian music and its possibilities, development of church music, the modern orchestra. Course of illustrated lectures.

Second Semester.—The opera, the oratorio, the classic period—Bach, Hadyn, Mozart. The romantic period—Beethoven, Schubert, Schumann, Mendelssohn. The modern school—Tschaikowski, Brahms, Dvorak, Grieg, Saint-Saens, MacDowell, Foote, Beach. Wagnerian Music Dramas. Wagner's Art Theories. Influence of Schopenhauer. Course of illustrated lectures.

P—*Advanced Sight-Reading and Choral Practice.* 1 hour.

Mondays, Thursdays, 4:45 (half-hour periods).

Mr. COZINE.

Open to students of the College of Liberal Arts upon the payment of a special fee of three dollars a semester.

Q—*Voice Culture in Classses.*

Hour to be arranged.

Mr. COZINE.

Open to students in the College of Liberal Arts upon the payment of a special fee of ten dollars a semester.

This course bears no college credit.

NOTE.—For regular courses in the School of Music and for special facilities for vocal music, reference is made to the Circular of Information of the School of Music.

NORWEGIAN-DANISH.

A—*Modern Norwegian-Danish Grammar.* 4 hours.
Hours to be arranged.
Dr. SIMONSEN.

First Semester.—Peterson's Norwegian Grammar and E. C. Otte's "How to learn Danish" are the text-books used.
Second Semester.—Readings from Andersen and Ibsen.
This course is given in the Norwegian-Danish Theological School.

PEDAGOGICS.

A—*History of Education.* 1-3 hours.
Mondays, Wednesdays, Fridays, 4.
(Given in 1904-05 and in alternate years.)
Professor FISK.

Lectures, readings, and discussions. Text-books: Compayré's History of Pedagogy, Quick's Essays on Educational Reformers, Munroe's The Educational Ideal, Boone's Education in the United States.

NOTE.—This course may be taken as a three-hour course, or as a two-hour course (Mondays and Wednesdays), or as a one-hour course (Fridays)

B—*Principles of Education.* 1-3 hours.
Mondays, Wednesdays, Fridays, 4.
(Given in 1903-04 and in alternate years.)
Professor FISK.

Lectures, readings, and discussions. Text-books: Compayré's Lectures on Pedagogy, Payne's Contributions to the Science of Education, Eliot's Educational Reform, Tompkins's Philosophy of School Management, Lange's Apperception.

NOTE.—This course may be taken as a three-hour course, or as a two-hour course (Mondays and Wednesdays), or as a one-hour course (Fridays.)

C—*The Great Educators.* 2 hours.
Tuesdays, Thursdays, 10.
Assistant Professor SCOTT.

Lectures, readings, and discussions.

First Semester.—English Educators: Locke, Spencer.

Second Semester.—Continental Educators: Comenius, Herbart.

D—*The Great Educators.* 2 hours.

Tuesdays, Thursdays, 10. (Not given in 1904-05.)

Assistant Professor SCOTT.

First Semester.—Continental Educators: Rousseau, Pestalozzi, Froebel.

Second Semester.—The more recent Educators.

In Courses C and D the best works of some of the most influential educators are read by each member of the class. The material thus read furnishes the basis for lectures, papers, discussions, and recitations.

E—*Seminary.* 2 hours.

Fridays, 5.

Assistant Professor SCOTT.

Open to a limited number of advanced students. Students taking this course teach elementary classes in the Academy four or five hours a week under the instructor in charge of the course.

Weekly conferences are held for reports and discussions.

For Pedagogical Psychology see Philosophy H.

Major: Ten year-hours, including Courses A or B, and C or D, Philosophy A, and two additional year-hours in Pedagogy or Psychology.

PHILOSOPHY, PSYCHOLOGY, AND LOGIC.

NOTE.—The alphabetical arrangement of courses exists for convenience of reference,—not to indicate the order in which courses should be chosen. It is generally best to elect Course A, or Courses A and B conjointly, before the others, but either Course C, or D, or H, may be taken in the same year as Course A.

A—*General Psychology; Logic.* 3 hours.

Mondays, Wednesdays, Fridays, 2.

Professor COE and Assistant Professor SCOTT.

First Semester.—Psychology. James's Psychology (Briefer Course); class-room demonstrations and guidance to private observation; demonstration of apparatus and methods of

experimental psychology; written exercises from members of the class; optional work in the laboratory; lectures on various topics.

Second Semester.—Logic. An outline of both deductive and inductive logic. Special stress is laid upon the methods of the sciences. Written exercises in the detection of fallacies and the criticism of arguments. Creighton's Introductory Logic.

B—*Elementary Experimental Psychology.* 2 hours.

Mondays, Wednesdays, 3-5.

Assistant Professor SCOTT.

Laboratory work in connection with Course A. Intended for students of general psychology who desire to become acquainted with laboratory methods, and for those who expect to pursue advanced laboratory courses. Two consecutive hours of laboratory work for one hour of credit.

C—*History of Philosophy.* 2 hours.

Tuesdays, Thursdays, 8.

Professor COE.

Text-book, lectures, dissertations, the reading of selected writings of Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, and Kant.

Open to students who have thirty hours of credit.

D—*General Introduction to Philosophy; Popular Discussions in Philosophy.* 2 hours.

Mondays, Wednesdays, 3. (Not given in 1903-04.)

Professor COE.

First Semester.—General introduction to philosophy. Lectures, papers, and discussions. Intended for all who desire to learn about the nature of philosophy, its divisions, and the characteristic attempts to solve its problems.

Second Semester.—Popular discussions in philosophy. Lectures, papers, and discussions, all bearing upon the relation of philosophy to the life of our day, particularly to its science, its literature, and its social and religious aspirations.

Open to students who have completed thirty hours of credit.

E—*Philosophy of Religion.* 1 hour.

Mondays, 4.

Professor Coe.

Lectures and assigned reading. No preceding study of philosophy is required for admission to this course, but each of the Courses designated A, C, D, and J furnishes helpful preparation. Credit is not given until the work of both semesters is completed.

This course is required of all candidates for a degree.

F—*Seminary in the Psychology and Philosophy of Religion.* 2-5 hours.

Tuesdays, 2-4.

Professor Coe.

Reading of the chief literature on the psychology of religion; collection and analysis of new data; a study of the principles of religious pedagogy; psychological prolegomena to the philosophy of religion. An introduction to research in the psychology of religion.

Primarily for graduates, but open to properly prepared undergraduates.

G—*Advanced Experimental Psychology.* 2 hours.

Hours to be arranged.

Assistant Professor Scott.

This course extends the work begun in Course B into some of the more difficult problems, and introduces a limited amount of research. Two consecutive hours of laboratory work will be required for one hour's credit.

Open to students who have completed Course B.

H—*Pedagogical Psychology.* 2 hours.

Tuesdays, Thursdays, 2.

Assistant Professor Scott.

Open to students who have taken or are taking General Psychology.

J—*The Philosophy of Nature.* 2 hours.

Hours to be arranged. (Not given in 1903-04.)

Professor Coe.

An analysis of the chief notions of the natural and physical sciences (such as law, matter, energy, life, mind), with especial reference to the theory of evolution and man's place in nature. Lectures, papers, discussions.

Open to students who have completed either Course A, C, or D.

K—*Advanced History of Philosophy.* 2 hours.

Hours to be arranged.

Professor Coe.

Rapid reading of important philosophical literature. In addition to the reading required of the whole class, each member will make a critical study of some problem or piece of literature, and present the results in the form of a thesis.

For graduates, and undergraduates who have completed Courses A and C.

L—*Ethics.* 3 hours.

Mondays, Wednesdays, Fridays, 8.

Professor Coe.

First Semester.—Mackenzie's "Manual of Ethics," lectures and dissertations.

Major: Courses A and C and five additional year-hours.
Minor: Course A and three additional year-hours.
Students who select Philosophy as their major subject will do well to take Course A in their second year.

PHYSICAL CULTURE AND HYGIENE.

A—*Physical Culture and Hygiene.* 1 hour.

Tuesdays, 2.

Mr. Butterworth.

First Semester.—Lectures upon the structure and functions of muscles, nerves, the spinal cord, and the brain; the sources and effects of vital heat and carbonic acid; fatigue; breathlessness; stiffness; overwork; training; effects of exercise upon organs and tissues of the body; gymnastic exercises—German, English, and Swedish systems; apparatus; indoor and outdoor games.

Second Semester.—Lectures upon diet and the value of different articles of food; digestion; functions and the care of

the skin, hair, nails, care of teeth and eyes; composition of air and water; ventilation; bacteria; infectious and contagious diseases.

B—*Physical Training.* 1 hour.

Hours to be arranged.

Mr. Ockerblad and Miss Suder.

Physical examinations are made. Regular classes for dumb-bell, Indian-club, and other gymnastic exercises are formed. Credit of one hour is given each semester for four hours a week of gymnasium practice.

PHYSICS.

A—*General Physics.* 4 hours.

Mondays, Wednesdays, Fridays, 11.

Dr. Tatnall.

First Semester.—General properties of Matter, Sound, Heat.

Second Semester.—Electricity, Magnetism, Light.

Each week's work consists of two experimental lectures, one recitation, and one laboratory exercise. The laboratory will be open each afternoon in the week except on Saturday.

Ames's Theory of Physics is used as a text-book. The laboratory work is guided by a set of instructions prepared and printed especially for this laboratory.

This course is intended for beginners. It requires no mathematics beyond that necessary for entrance to college. It is recommended as a first-year or second-year study to those contemplating the pursuit of any pure science, engineering, or medicine.

B—*Experimental Physics.* 4 hours.

Tuesdays, Thursdays, 11.

Professor Crew and Dr. Tatnall.

First Semester.—Mechanics. An experimental study of forces, moments of force, moments of inertia, elasticity, etc., forming an introduction to advanced physics. Worthington's Dynamics of Rotation represents the ground covered.

This is a course in pure Dynamics, and serves as an introduction to Applied Mechanics. At the end of the first semester, students have the option either of continuing this Course

B or of taking up the subject of Applied Mechanics in Course H.

Second Semester.—Light. An experimental study of the general phenomena of refraction, diffraction, and polarization. Spectroscopy. Photographic and micrometric study of various spectra, preceded by a special study of the spectrometer. Application of the principles of diffraction and interference to the grating, the telescope, and other optical instruments.

Each week's work consists of two lectures and two laboratory exercises. The laboratory work is guided by a set of instructions prepared and printed especially for this laboratory, and is conducted in two sections, one meeting on Mondays and Fridays, the other on Tuesdays and Thursdays. Students may elect either section.

Open to students who have completed Course A, or its equivalent.

C—*Experimental Physics.* 4 hours.

Mondays, Fridays, 8.

Professor CREW.

Electricity and Magnetism. Two lectures and two laboratory exercises each week. In the lectures the more general laws of electricity and magnetism are discussed; the practical equations employed in the laboratory are also derived and discussed. J. J. Thomson's Elements of the Mathematical Theory of Electricity and Magnetism is employed as a textbook.

The laboratory is open every afternoon except on Wednesday and Saturday.

Henderson's Practical Electricity and Magnetism represents the direct current work covered in the laboratory. This course also includes some alternate current experiments and forms a solid foundation for all work in electrical engineering.

Open to students who have completed Course A, or its equivalent.

D—*Alternate Currents.* 2 hours.

Mondays, Fridays, 9.

Professor CREW.

First Semester.—The general theory of alternate currents as set forth in Franklin and Williamson's treatise on that subject.

For advanced students and graduates.

E—*Heat Engines.* 2 hours.

Mondays, Fridays, 9.

Associate Professor BASQUIN.

Second Semester.—Applied Thermodynamics taking up the early history of the steam engine, theory of heat engines, properties of steam and theory of steam engines, actual behavior of steam in the cylinder, forms of the steam engine, boilers, air engines, and gas engines. A few afternoons are spent upon a short series of experiments with a steam engine and gas engine.

Text-book: Ewing's Steam Engine and Other Heat Engines, Hutton's Mechanical Engineering of Power Plants is largely read. A knowledge of calculus is necessary.

F—*Mathematical Theory of Electricity and Magnetism.* 2 hours.

Tuesdays, Thursdays, 10.

Professor CREW.

Webster's Theory of Electricity and Magnetism represents the ground covered. The subject is believed to be essential to all advanced students of pure physics and to those contemplating electrical engineering of high grade. It is also recommended to students interested in applied mathematics.

The course is intended primarily for graduates.

G—*Mechanical Drawing.* 2 hours.

Two afternoons a week, 2-5.

Associate Professor BASQUIN.

First Semester.—Elementary Mechanical Drawing. Use of instruments, elementary projection. Bartlett's Mechanical Drawing and Reinhardt's Lettering are used as texts.

Second Semester.—Elementary Machine Drawing. A series of exercises in the representation of machine parts based upon Reids's Mechanical Drawing and Elementary Machine Design. Tracing and blue-printing.

This course furnishes a good working knowledge of Mechanical Drawing as applied to machines, and is equivalent to the first year's work in drawing in engineering schools.

H—*Applied Mechanics.* 4 hours.

Tuesdays, Wednesdays, Thursdays, 8.
And one afternoon each week.

Associate Professor BASQUIN.

First Semester.—Hydromechanics, taking up hydrostatics, theoretical hydraulics, flow through orifices, tubes and pipes, over weirs and in conduits and rivers, water wheels, turbines and pumps. Text-book: Merriman's Hydraulics.

Second Semester.—Mechanics of Materials. A study of the behavior of iron, steel, cement, etc., under the action of stresses leading to a discussion of the strength, deformation under load, and proper design of pipes, beams, columns, shafting, joints, etc. Experimental work with a Riehlé Testing Machine. Text-book: Merriman's Mechanics of Materials.

A knowledge of calculus is necessary. Students are advised to take the work in the following order: Physics B—Mechanics—first semester; Physics H—Mechanics of Materials—second semester; Physics H—Hydromechanics—following semester.

K—*Metal Working.* 2 hours.

Two afternoons a week.

Associate Professor BASQUIN and Mr. STARKWEATHER.

The mechanics of metal working is emphasized throughout this course. The use of a tool, such as a file or cold chisel, is first taught, after which the student performs a quantitative experiment determining the forces brought into play by its use. The regular set of exercises involves chipping, filing, scraping, drilling, planing, turning, thread-cutting, and grinding. Text-book: Vandervoort's Modern Machine Tools, supplemented by lectures and blue-printed instructions.

The shop will be open each afternoon of the week except on Saturday. Students may select their own afternoons for work; but having once made a selection this must be strictly adhered to throughout the semester.

L—*Descriptive Geometry.* 2 hours.

Mondays, 8.
And one afternoon a week.

Associate Professor BASQUIN.

The study of the standard method of representing geometric

forms by projections on plane surfaces and the graphical solution of geometric problems. Shades, shadows, and perspective will be taken up in the latter part of the year. Recitation period is spent largely in black-board exercises and the drawing period in reducing all these exercises to accurate drawings. Text: Hall's Descriptive Geometry.

Major: Course A and six additional year-hours.
Minor: Course A and two additional year-hours.

ROMANCE LANGUAGES AND LITERATURE.

FRENCH.

AA—*Elementary French.* 5 hours.

Mondays, Tuesdays, Wednesdays, Thursdays, Fridays.
Five sections at 8, 9, 11, 2, 2.

Miss FREEMAN. Mr. LE DAUM. Miss GREENMAN.

DeBordes' Grammar. Whitney's Reader. Labiche's La Grammaire. Mérimée's Colomba. Baillot-Brugnot's Composition. Voyage de M. Perrichon. Le Roi des Montagnes (About). La Petite Fadette. Simple dictations, private reading, and composition.

This course may not be taken to remove language requirements for admission.

A—*Modern French.* 4 hours.

Mondays, Tuesdays, Thursdays, Fridays.
Three sections at 10, 11, 11.

Professor BAILLOT. Miss FREEMAN. Mr. LE DAUM.

Baillot-Brugnot's Composition. Advanced Grammar. Reading. Sicard's Easy French History. Madame de Girardin's La Joie fait Peur. Eugène Scribe's Les Doigts de Fèe. Coppée's On rend l'Argent. Freeborn's Contes de Daudet. Pailleron's Le Monde où l'on s'Ennuie.

White's Contes de Maupassant. Victor Hugo's Quatre-Vingt Treize. Canfield's French Lyrics. Coppée's Le Pater. Victor Hugo's Hernani. Private reading: Cameron's Selections from Loti. Hennequin's Lessons in Idiomatic French. Essays.

Open to those who have completed Course AA.

B—*Classic French Literature of the 17th and 18th Centuries.* 3 hours.

Mondays, Wednesdays, Fridays, 8, 9.

Professor BAILLOT.

First Semester.—17th Century. Corneille's Le Cid, Polyeucte. Racine's Athalie. Molière's Le Misanthrope, L'Avare. Composition.

Collateral reading: Crane's La Société Française au 17e Siècle. Dictions and short lectures on classic literature.

Second Semester.—18th Century. Lesage's Gil Blas. Voltaire's Zaïre and letters. Beaumarchais' Le Barbier de Séville and letters. A study is also made of the other authors of the eighteenth century. Exercises on French Syntax.

C—*General Survey of French Literature.* 2 hours.

Tuesdays, Thursdays, 1.

Professor BAILLOT.

Demogeot's French Literature and Darmesteter and Hatzfeld's Le Seizième Siècle en France will be used as text-books, and collateral reading is assigned by the instructor. Dictations. Papers on collateral reading.

D—*Recent French Literature.* 2 hours.

Tuesdays, Thursdays, 9.

Professor BAILLOT.

Study of the literature of the Nineteenth Century, taking as a basis George Pellissier's Le Mouvement Littéraire au XIXe Siècle. Collateral reading. This course is given in French.

Open to students who have had Course B.

E—*Advanced French.* 2 hours.

Wednesdays, 3.

Professor BAILLOT.

The topics considered will be closely related to those of Courses C and D; but students will be expected to carry on special studies with prepared papers.

F—*Old French and Early French Literature.* 1 hour.
Hours to be arranged.
Professor BAILLOT.

Open to students who have had Courses B and C or D.

G—*Scientific French.* 3 hours.
Hours to be arranged.
Miss FREEMAN.

Second Semester.—Herdler's Scientific French. Articles from scientific periodicals.

H—*French Conversation with Private Reading.* 1 hour.
Wednesdays, 2 to 4.
Professor BAILLOT.

An advanced course open to those who have had Course AA, but registration to be subject to the approval of the instructor.

J—*French Conversation.* 1 hour.
Tuesdays, Thursdays, 9.
Miss FREEMAN.

Bercy's Le Français Pratique. Open to students who have taken or are taking Course AA.

Le Cercle Français meets on alternate Thursdays at 7:30 o'clock, and is open to all students who have completed Courses AA and A.

ITALIAN.

A—*Elementary Course.* 3 hours.
Mondays, Wednesdays, Fridays, 9.
Miss FREEMAN.

Grandgent's Grammar; Bowen's Reader; De Amicis' Cuore. Manzoni's I Promessi Sposi.

Modern Prose Tales. Dante (40 cantos); Private Reading. Collateral reading required: Howell's Italian Poets, Symond's Introduction to Dante, Church's Dante, Rossetti's Dante and his Circle.

SPANISH.

A—*Elementary Course.* 3 hours.

Mondays, Wednesdays, Fridays, 9.

(Not given in 1903-04.)

Miss FREEMAN.

General elective, but especially adapted to advanced students in French.

Edgren's Grammar; Ramsey's Reader; Larra's Partir á Tiempo; Echegaray's O' Locura O' Santidad.

Composition; Galdos' Doña Perfecta; Estebanez's Un Drama Nuevo; Moratin's El sí de las Niñas; Valdes' José.

B—*Second Course.* 3 hours.

Hours to be arranged.

MISS FREEMAN.

One modern comedy. Private reading of Doce Cuentos; El Capitan Veneno; La Familia de Alvareda; Pinney's Spanish Conversation; writing of letters; lectures on historical development of the Spanish language, with reading of selections from El Poema del Cid; Episodes from Don Quixote and other classics.

Major: Courses A and B (French) and six additional year-hours.

Minor: Courses A and B (French).

SEMITIC LANGUAGES.

These courses are given in Garrett Biblical Institute.

HEBREW.

A—*Elements of Hebrew Language.* 4 hours.

Tuesdays, Wednesdays, Thursdays, Fridays, 9.

Mr. RAPP.

B—*Introduction to Hebrew Literature.* 2 hours.

Tuesdays, Wednesdays, 8.

Professor EISELEN.

Exegetical and critical reading of selections from the prophetic and from the poetic literature of the Hebrews.

C—*Historical Literature.* 1 hour.

Hour to be arranged.

Professor EISELEN.

Rapid reading of historical books with more extensive study of Hebrew grammar, especially syntax.

D—*Graduate Courses.*

Credit and hours to be arranged.

Professor EISELEN.

I. Studies in Isaiah.
II. Studies in Genesis.
III. The Messianic ideas and ideals in the Old Testament.
IV. Rapid reading of the Minor Prophets.
V. Seminary Course; the religious life and beliefs of the Hebrews, as shown in the activity and the teaching of their inspired leaders.

ASSYRIAN.

E—*Elementary Course.* 2 hours.

Hours to be arranged.

Professor EISELEN.

Grammar and reading of easy historical texts.

ARAMAIC.

F—*Elementary Course.* 1 hour.

Hour to be arranged.

Professor EISELEN.

Study of the Aramaic language and portions of the Old Testament.

Courses E and F are open only to those who have completed at least the equivalent of Course A.

Minor: Courses A and B.

SWEDISH.

A—*Elementary Course.* 3 hours.

Hours to be arranged.

Professor ERICSON.

First Semester.—Modern Swedish Grammar and the Reading of Prose Selections.

Text used: May's Swedish Grammar.

Second Semester.—Tegner's Frithjof's Saga and Selections from Runeberg.

This course is given in the Swedish Theological Seminary.

ZOÖLOGY.

A—*General Biology.* 4 hours.

Tuesdays, Thursdays, 9. Laboratory hours to be arranged on Tuesdays, Wednesdays, Thursdays, Fridays, 9-12.

Professor Locy and Miss Vimont.

A comparative study of living organisms as a whole, forming an introduction to the study of vital activities. A general survey of the properties of living matter is followed by the study of a few selected types of invertebrate animals, beginning with the simplest and proceeding to the more complex. Parker's "Elementary Biology" and Marshall and Hurst's "Practical Zoölogy" are used as handbooks, and these are supplemented by lectures. In the lectures the physiological side receives most attention.

During the second semester a large part of the time is devoted to study of the development of animals, using eggs of fishes, amphibia, and the chick. A knowledge of elementary physics and chemistry is very desirable for all students entering this or any of the following courses.

C—*Cytology and Histology.* 3 hours.

Mondays, 9. Laboratory hours to be arranged.

Dr. Hill.

First Semester.—Cell-life and Elementary Histology. Anatomy and physiology of the cell, microscopical structure of the elementary animal tissues, and principles and practice of the general methods of microscopical technique. Wilson's "The Cell in Development and Inheritance" forms the basis of the work on the cell.

Second Semester.—Microscopical Structure of the Animal Organs. Principles and practice of the important special methods of microscopical technique. Stöhr's "Text-book of Histology" is used as a guide.

D—*Comparative Anatomy and Physiology of Vertebrates.*
4 hours.

Wednesdays, Fridays, 9. Laboratory work to be arranged on Tuesdays, Wednesdays, Thursdays, Fridays, 9-12.

Professor Locy and Mr. Sabin.

First Semester.—Comparative Anatomy. Study of Selected Vertebrate Types. The recitations and lectures will be based on Weidersheim's "Comparative Anatomy of Vertebrates."

Second Semester.—Vertebrate Embryology. Lectures and laboratory work.

E[a]—*The Central Nervous System and its Terminal Organs.*
1 hour.

Tuesdays, 4.
(Given in 1904-05 and in alternate years.)

Professor Locy.

Two hours of credit may be secured in this course by adding to the lecture, three hours of laboratory work.

First Semester.—The Central Nervous System. Comparative Structure of the Central Nervous System, with discussions on some of its physiological activities.

Lectures and demonstrations, adapted to those taking, or contemplating the study of psychology, and to others who wish to become acquainted with the structure and general physiology of the nervous system.

Second Semester.—The Structure and Evolution of Sense Organs.

E[b]—*Rise and Development of General Biology and Zoölogy.*
1 hour.

Tuesdays, 4.
(Given in 1903-04 and in alternate years.)

Professor Locy.

Historical lectures in which the rise and development of General Biology and Zoölogy is traced from the renascence of science to the present. Particular attention is given to the beginning, the growth, and the modification of fundamental doctrines and principles that have become fruitful in the nineteenth century. Intended primarily for students taking

Zoölogy A or other work in the department. The course is also open to students who have pursued elementary work in General Biology.

F—*Topics of Investigation.*

May be elected as (*a*) five hours or (*b*) ten hours. Hours to be arranged.

Professor Locy.

Open to students who have completed two years of work in Zoölogy. Problems of limited extent are assigned after consultation with the professor in charge, and worked out under his direction with such help as is required. This forms an introduction to the work of original research. The completion of the course involves the consultation of the literature bearing on the problem in hand, and the preparation of a thesis embodying the results of the investigation. A reading familiarity with French and German is essential for entering this course.

G—*Research Work.*

Hours to be arranged.

Professor Locy.

For graduate students who have completed the equivalent of the courses prescribed above, and may be elected either for ten hours or for fifteen hours of credit.

Similar to Course F, but with broader scope and more rigid requirements as to the thesis, which must embody a critical review of the principal literature and substantial conclusions based upon the personal work of the student. Means of publication will be found for all papers which are worthy of it.

Major: Course A and six additional year-hours.
Minor: Course A and three additional year-hours.

PROFESSIONAL STUDIES.

The following detailed statements indicate in a general way how a student in college may arrange his program to advantage in preparation for a professional career, and how, under some conditions, he may shorten the time necessary to secure degrees in both the College of Libral Arts and a Professional or Technical School.

College credit for studies pursued in professional schools is in all cases restricted to work done in the schools of this University.

STUDENTS PREPARING FOR MEDICINE.

Students intending to enter the Medical School, and desiring to shorten the time required for degrees in both Arts and Medicine, may be released from further work in the College of Liberal Arts when they have secured ninety semester-hours of credit. This credit must include all the required studies for the degree sought, as shown on pp. 87 and 88, and must fulfill the requirements as to major and minor. If the student's work is properly planned this necessary credit can be secured in three years.

Such students, while continuing registration for the fourth year in College, may give their full time to work in the Medical School. The certificate from the Medical Faculty that the equivalent of a full year's work has been satisfactorily accomplished will be accepted in the College as completing the one hundred and twenty hours required for the bachelor's degree.

Credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts, nor can time spent in the Medical School be counted toward the year of residence in the College of Liberal Arts required of all candidates for the bachelor's degree.

This plan of combined courses makes it possible to secure both degrees in seven years, three in the College and four in the Medical School. For all work done in the Medical School the full fee of that school must be paid.

On the other hand, some courses taken in the College of Liberal Arts will be credited for corresponding courses in the Medical School. Students who secure credits for Chemistry A and B and the second semester of Chemistry C (Volumetric Analysis), in College will be given credit for Chemistry a, b, d, e, and f, that is, first year Chemistry in the Medical School. Those who secure credit

for Zoölogy A, C, D, and E[a] will receive credit for Histology and Embryology a, b, c, d, and e, in the Medical School. Students who include these courses as electives in the ninety hours of credit referred to above, and enter the Medical School for their fourth year, will have sufficient advance credit in the Medical School to enter the second year, but with some conditions. If the unfinished work of the first year is made up by extra summer work, the two degrees can be secured in six years, but to do this requires careful planning from the first.

Students who intend to follow the six-year plan should formally register in the Medical School at the beginning of their third year in College, and for them the following order of elective studies in College is recommended:

First Year.—Zoölogy A.
Second Year.—Chemistry A, Zoölogy D.
Third Year.—Chemistry B, Chemistry C, second semester, Zoölogy C, Zoölogy E.

STUDENTS PREPARING FOR LAW.

Thirty semester-hours of work done in the Law School will be accepted by the College of Liberal Arts to apply toward meeting the requirements for a bachelor's degree. Consequently a student in College who has secured ninety hours of credit, including all the required studies for his degree as described on pages 87 and 88, and who has met the requirements as to major and minor, may transfer to the Law School and complete there the work for the Collegiate bachelor's degree. Students so transferring, however, must continue their formal registration in college, though doing all their work in the Law School, and they will be required to pay the Law School fees while pursuing studies in that school.

The satisfactory completion of the first year of the Law School course, as certified by the Faculty of that School, will be deemed sufficient to make good the remaining thirty hours of the one hundred and twenty hours required for the collegiate degree. Time spent in the Law School cannot be counted toward the year of residence required of all candidates for a Collegiate degree.

STUDENTS CONTEMPLATING THE STUDY OF THEOLOGY.

Students in the College of Liberal Arts, who have completed sixty semester-hours of credit and who wish to shorten the time for securing degrees in Arts and Theology, may elect certain courses in Garrett Biblical Institute to the amount of thirty semester-hours, thereby reducing the time for the combined programs by one year. Work done in Garrett Biblical Institute cannot, however, be applied

to meet the requirement of one year of residence for a degree in the College of Liberal Arts.

For convenience the courses in the institute open to College students are listed among those offered in the College of Liberal Arts, and are repeated here as they appear in the Institute catalogue. The names in parentheses are the College designations of the courses.

Hebrew of the Junior and Middle years (Hebrew A and B).

Greek of the Junior year in the degree course (Greek N).

History of the Christian Church, mediæval, reformation, and modern periods (History L).

Comparative Religions (Bible F).

Since exegesis plays so large a part in a theological course, students contemplating the study of Theology should secure while in college a ready command of the Greek and Hebrew languages. They will also find that a knowledge of German will prove highly serviceable in reading modern theological literature.

STUDENTS CONTEMPLATING THE STUDY OF PHARMACY.

Students who have secured ninety semester-hours of credit at the end of their third year in the College of Liberal Arts, including therein all the prescribed courses for their degree, and have met the requirements as to major and minor, may enter the School of Pharmacy, and by satisfactorily completing the work of three terms in that school may meet the total requirements for the bachelor's degree.

The degree of Master of Pharmacy may then be obtained by completing the fourth and fifth terms of the Pharmacy program.

The credit to be allowed in the College for work done in the School of Pharmacy may not exceed thirty semester-hours, and it may not include any items for which credit in the College of Liberal Arts has already been secured. Neither can time spent in the School of Pharmacy be counted toward the year of residence required of all candidates for a collegiate degree.

Students taking any work in the School of Pharmacy must pay the fees of that school.

STUDENTS CONTEMPLATING ENGINEERING.

A student who intends, after the completion of the College course, to enter the profession of Engineering may register in College as a candidate for either degree, but as a rule will have most elective time at his disposal by following the program for the degree of Bachelor of Science. In meeting the requirements for this degree,

as described on page 88, he is advised to take Mathematics AB in the first year; also to take Physics A and Chemistry A as the two required sciences. His elective work and the department in which he makes a major will depend upon the special branch of Engineering for which he is planning.

If he contemplates Mechanical, Electrical, or Civil Engineering, he will find it to his advantage to do his major work in Physics or in Mathematics, and should include in his program as many of the following courses as possible:

First Year.—Mathematics AB or A.
Chemistry A (General Chemistry).
Second Year.—Mathematics BB or B.
" L (Surveying).
Physics A (Introductory Course).
" G (Mechanical Drawing).
Third Year.—Physics B (Mechanics, Light).
" K (Metal Working).
Mathematics J (Calculus and Differential Equations).
Fourth Year.—Physics C (Electricity and Magnetism).
" H (Applied Mechanics).
" L (Descriptive Geometry).

If the student contemplates Mining Engineering, he will do well to make his major in Geology or Mineralogy and devote a large part of his elective time to work in those two departments, with auxiliary electives in Chemistry, Mathematics, and Physics.

If he plans for Chemical or Sanitary Engineering, he should make his major in Chemistry, taking all courses there offered with others in Botany and Zoölogy.

Where a definite end is sought, the selection of elective studies should be made in close consultation with the student's adviser, and always with the end clearly in view. A proper choice of studies will make it possible for a student to complete a technical course in two years after graduation from College. The Massachusetts Institute of Technology authorizes the statement that a student who has completed, while in College, such a program as is suggested above may expect to be admitted to the third year of the engineering courses in that institution. If, on the other hand, the student prefers after graduation, to enter directly upon practical engineering work, he will find that a program such as outlined, or such as may be arranged with his adviser, will enable him to do so with advantage.

COURSES PREPARING FOR BUSINESS AND THE PUBLIC SERVICE.

Students who are preparing for a business career or for the public service will find ample opportunities for study along lines helpful to them in the departments of Economics and History. The program of required studies for the Bachelor's degree is such that the student may devote nearly the whole of the third and fourth years of the course to special study in these departments, and he may also give some time to work in these departments in the second year.

If the student is registered for the degree of Bachelor of Science, the required studies will include both French and German, and those planning for business or for the public service are advised in any case to secure a good reading knowledge of both of these languages. An acquaintance with the elements of at least two sciences should also be secured.

After the introductory courses in the two departments of Economics and History, in which he will best make his major and minor, the student will find Courses D, F, and H in Economics more intensive, offering special advantages for those preparing for a business or commercial career; while Course B in Economics and Course H in History are especially valuable for those who wish to prepare for the public service. The Seminary Course in either department offers to advanced students opportunity for original and detailed investigation of special subjects.

In addition to the advantages offered in this program of studies, students have the benefit of public lectures delivered at the University by representative men of practical experience in the commercial world and in public administration.

REGISTRATION OF UNDERGRADUATES.

Every undergraduate student is required to present himself at the office of the Registrar for the registration of his studies before entering upon his College work. The following are the rules governing such registration:

1. Registration days are the first Tuesday, Wednesday, and Thursday of each semester, and students not registered at the close of this period are subject to a fee of two dollars for later registration.

2. On the registration days of the first semester the student must register for the work of the whole year. He is expected to continue throughout the year the work then registered for, and may not change it without special permission from the Registration Committee.

3. Before completing registration, students are required to consult their Faculty advisers as to their college work.

4. No college credit can be obtained for work not regularly registered.

5. Prescribed studies take precedence in registration over elective studies and in the order in which they are prescribed.

6. Every student must register for fifteen hours of work a week, unless permission has been obtained from the Registration Committee to register for less or more. Permission to register for more is a privilege, and will not be granted unless the committee is satisfied that the student can carry the whole work creditably. Two hours of laboratory work are credited as one hour.

7. All undergraduates must state upon their registration papers the full amount of work which they propose to undertake each semester, whether in the College of Liberal Arts or elsewhere, indicating the number of hours to be devoted to each subject, and the school or department in which it is proposed to do such work.

8. All students of the College of Liberal Arts desiring to take work in any other department of the University must first obtain formal consent from the faculty of the College of Liberal Arts and also from the Faculty of the department in which such work is to be taken, and must file such consent with the Registrar before beginning the work. Failure to comply with this regulation will be deemed sufficient cause for the cancellation of the students' entire registration.

9. No student will be registered as a candidate for a degree who has deficiencies in entrance work amounting to more than five hours a week through one year; and no student will be credited with

college work in the published lists of the catalogue until all entrance deficiencies are made up.

10. On the registration days of each semester the student must obtain from the Registrar a statement of his tuition bill for the semester. This must be presented at once at the Business Office of the University for settlement.

EXAMINATIONS.

Regular Examinations are held at the close of each semester in the studies of that semester. Any student whose daily work has not been satisfactorily done may be excluded from examination.

Second Examinations are set for students who have been absent from a regular examination, or who have failed to receive a passing grade at a regular examination. Such second examinations are held on the first Wednesday in the first semester, on the first Monday and on the Monday following Easter in the second semester.

No student may take more than one *second examination* for the same item of credit.

Students not present at the regular examinations of the first semester will not be admitted to the second examinations held in February, except by permission of the instructor in charge, and such permission will be limited to cases of illness or other urgent necessity.

Additional Examinations to make up work which has been lost by excess of absences from class-work, are appointed for the last Thursday of the first semester and the last Friday of the second semester.

Special Examinations at times other than those specified above can be given only by special permission of the faculty.

GRADES OF SCHOLARSHIP.

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and is entered of record. The student's standing is expressed, according to his proficiency, by one of five grades, designated A, B, C, F, R.

Grade A denotes excellent scholarship; grade B, good scholarship; grade C, poor scholarship; grade F, failure, making necessary a *second* examination; grade R, failure so serious that the work must be repeated in the class-room if credit is desired.

Grades A, B, and C, count toward a degree; but not more than one-eighth of the work offered to meet the requirements for graduation may be of grade C.

One semester's work marked C, in excess of the one-eighth allowed may be counted toward graduation for each subsequent semester's work in the same department, which is of higher grade. Work marked C, not released by subsequent higher work in the same department, may be released by examination under the same regulations as apply to work marked Grade F; the original marking, however, will remain in the record.

Work reported *incomplete,* not made good before the close of the next succeeding semester, is recorded as *failed.*

A student reported as *failed* in any study must make good the deficiency at a *second* examination within nine months, or take the work again in the class-room in order to obtain credit for it.

Undergraduates are not allowed credit for work done *in absentia.* Only those who have duly registered and have regularly pursued their studies in classes are admitted to examinations.

The semester record of each undergraduate is sent by the Registrar to the student's father or guardian.

ABSENCES FROM CLASS EXERCISES.

Students are expected to attend all of the regular exercises in the courses for which they are registered.

If, in any semester, the absences of a student, in a single course exceed one-eighth of the total number of assigned exercises in that course, he will be required to take, besides the regular examination at the close of the semester, an *additional* examination in that subject. The dates fixed for additional examinations are the last Thursday of the first semester and the last Friday of the second semester.

Students absent from a required *additional* examination are held to take that examination at the next date set, and no credit can be given for the course until this examination is passed.

When a student's absences in any study amount to one-sixth of the total requirement in that study, his registration in that subject is cancelled, and the privilege of examination is denied. This rule is administered by the Committee on Registration which has power to restore the cancelled registration at its discretion.

GRADUATE STUDIES.

In many of the departments of instruction there are offered advanced courses of study in excess of the amount required for an undergraduate major, which are adapted to the needs of graduate students. These courses may be pursued either with or without reference to an advanced degree, and are open to properly qualified candidates from this and from other universities. The conditions under which students may register for graduate work are given below, and the regulations affecting advanced degrees may be found on pages 159 and 160.

The work of graduate students is under the supervision of a standing committee of the Faculty, but a graduate student may pursue any study for which, in the judgment of the instructor in charge, he is prepared.

Every graduate student, resident or non-resident, proposing to pursue advanced work, whether he intends to become a candidate for a degree or not, is required to register for this work at the office of the Registrar before it is undertaken.

The following are the rules governing such registration:

1. The registration of resident candidates for the Master's degree must be effected not later than the first Monday in October next preceding the date of the final examination. The registration of non-resident candidates must be effected one year earlier.

[The provision "in residence" requires regular attendance upon all prescribed lectures or other exercises in the courses which the candidate pursues. Such prescribed lectures and exercises will occur at least once a week in each course of instruction.]

2. A student desiring to become a candidate for the Master's degree while enrolled in one of the professional schools of this University, under Rule 4, page 159, must register as a graduate student in the College of Liberal Arts, and upon such registration will be regarded as a resident candidate.

3. A student who desires to become a candidate for the Master's degree after graduation from one of the professional schools of this University, under Rule 4, page 159, must register for the same in the College of Liberal Arts as early as the first Monday in October next following the completion of the professional course.

4. The registration of a candidate for the Doctor's degree must be effected not later than the first Monday in October next preceding the date of the final examination.

5. A candidate for an advanced degree, prior to his registration, must furnish to the Registrar all data required for due record of his application, together with a statement of the courses of study which he proposes to pursue.

6. The above application and statement of courses must be approved by the Committee on Graduate Studies and by the heads of the departments in which the work is to be taken. Such approval must be filed with the Registrar as a condition preliminary to registration.

7. Graduates of this, or of any other college, who are not candidates for an advanced degree, may, with the consent of the departments concerned, register as resident students in such advanced studies as they are found prepared to pursue.

DEGREES.

THE BACHELOR'S DEGREE.

Different programs of study as described on pages 87 and 88 lead to the degrees of Bachelor of Arts and Bachelor of Science. The following regulations have been prescribed affecting the attainment of such degrees:

1. In order to be recognized as a candidate for a Bachelor's degree a student must file a petition with the Registrar, using for the purpose a form provided by the University, on or before the last Saturday in May of the year next preceding the year in which he expects to obtain the degree.

2. He must have pursued his studies, in residence, in the College of Liberal Arts of this University for at least one college year before the degree can be conferred.

3. He must have completed all the courses prescribed for the degree sought, and elective courses in addition so as to have secured a total credit of one hundred and twenty semester-hours. The total credit obtained must include the major work of at least one department, and the minor work of at least one other department.

4. In making up the total number of hours required for graduation, not more than one-eighth of the work done under this Faculty may be of grade C, except as provided for on page 156.

THE MASTER'S DEGREE.

A Master's degree may be conferred upon Bachelors of this University, or of any other institution of accepted grade, under the following regulations:

1. Before being recommended for a Master's degree the candidate must have pursued studies in residence in the College of Liberal Arts of this University for at least one year, except as stated below.

2. Any Bachelor of this University may become a non-resident candidate for the corresponding Master's degree; but such candidates cannot receive the degree earlier than two years after graduation. Graduates of other institutions will not be admitted to the College of Liberal Arts as non-resident candidates for a degree.

3. Any Bachelor of this University, or of another institution of accepted grade, may become a candidate for the Master's degree while pursuing studies in the Medical School or Law School of this University, or in Garrrett Biblical Institute, or on the completion of the professional course in either of these schools, subject to the provisions of Rule 3 on page 157.

4. Each candidate for a Master's degree must present credit in approved courses of study amounting to thirty semester-hours. If he is enrolled in one of the professional schools above enumerated, or has graduated therefrom, his credit must amount to twelve semester-hours of advanced work in an approved field of study, in addition to the completion of the maximum prescribed professional course.

This advanced work, in the case of students in the professional schools, may be taken either under the Faculty of the College of Liberal Arts or the Faculty of the professional school, but in any case it must be approved by the Committee on Graduate Studies of the College of Liberal Arts.

5. At least one-half of the work offered for a Master's degree must be chosen from one or, at most, from two departments of study in which the candidate has previously taken the undergraduate major work, or an equivalent.

6. The candidate must present a thesis on an approved topic pertaining to the primary subject. The subject of this thesis must be filed with the Registrar not later than the first Wednesday in December; the thesis itself must be filed as early as the Saturday next preceding the last Monday in April.

7. Candidates for a Bachelor's degree who during their undergraduate course devote their excess of time to the continuation of their major subject, or to such other advanced topics as may be

approved by the Registration Committee, may have such work, if satisfactorily completed, credited toward the Master's degree. But in no case will the master's degree be conferred in less than one year after the conferring of the Bachelor's degree.

8. A non-resident candidate for a Master's degree will be required to make written report from time to time as to the progress of his work.

9. The final examination of candidates for the Master's degree will take place at the University at an appointed date, about May 20th. The examination is conducted by a committee composed of the head of the department in which the student has done his primary work and at least two other members of the Faculty chosen from the same or from related departments. In the case of candidates doing work in the professional schools, a representative of the College of Liberal Arts is invited to be a member of the examining committee.

THE DOCTOR'S DEGREE.

The degree of Doctor of Philosophy is conferred under the following regulations:

1. The candidate must have received the Bachelor's degree from this University, or from some other of accepted standing.

2. The degree may be conferred on successful candidates after three years of graduate study, of which at least two must be in residence. The last year, or the first two years, of the three required must be spent in residence at this University. The period of three years may, however, be shortened in the case of students who, as undergraduates, have pursued special studies beyond the requirement for major work in the direction of their proposed graduate work. Study for any specified time will not be regarded as sufficient ground for conferring the degree. High attainments in scholarship and evidence of original investigation will be expected.

3. Two-thirds of the candidate's time must be given to advanced work in some one department which shall constitute his primary subject. The remaining time must be given to either one or two secondary subjects. The requirement, "advanced work," will imply an amount of preliminary study in the given subject equivalent to at least the undergraduate "major work" of the department concerned.

4. A reading knowledge of French and German will be required, as a preliminary qualification. In exceptional cases an equivalent in Latin, Greek, or Hebrew may be accepted instead of French.

5. Every candidate must present a thesis upon an approved topic pertaining to his primary subject. The thesis must give evidence of original investigation. A revised typewritten copy must be presented to the Registrar as early as the Saturday next preceding the last Monday in April. If the thesis is approved the candidate must, within such time as shall be designated, present twenty-five printed copies of it to the University Library. The final examination, which will be held about May 20th, will be both written and oral, and will cover the entire primary subject, including the topic of the thesis.

The secondary subject, or subjects, may be discontinued when the candidate has fulfilled all requirements as to attendance at lectures and has passed a written examination upon such subjects.

Students in Garrett Biblical Institute may become candidates for the degree of Doctor of Philosophy under the following special regulations. The general regulations affecting examinations, thesis, and a knowledge of foreign languages apply to these candidates as well as to others.

1. The candidate must have completed a Bachelor's course, the sufficiency of which has been accepted by a joint committee of the Faculty of the Institute and the Faculty of the College of Liberal Arts.

2. He must have completed two full years of theological study, either in Garrett Biblical Institute or in another theological school of recognized high standing.

3. He must be accepted as a candidate for the degree of Doctor of Philosophy by a vote of the Faculty of the Institute, and be registered as a candidate for such degree with the Registrar of the College of Liberal Arts; after which he must continue in residence at least two years, and complete the work of two full years. Of this work two-thirds must be taken in one department of the Institute; the remaining third may be taken in not more than two departments of the Institute or of the College of Liberal Arts. The whole course of study selected will be subject to the approval of the Faculty of the College of Liberal Arts, through its committee on Graduate Study. During the two years of his residence the candidate will be subject to the direction of the head of the department in which his primary work is taken.

4. Of the four years thus required as a *minimum* for the degree of Doctor of Philosophy, three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

THE LIBRARY.

The Library of the College of Liberal Arts is housed in a commodious building erected in 1894 through the generosity of the late Orrington Lunt, who was identified with the University from its foundation and for several years was president of the Board of Trustees. A description of the Library building is given on page 56. The Library contains 53,538 bound volumes and approximately 36,000 pamphlets. It is open to all officers of the University, and to students upon the payment of their regular semester bills, under the following regulations:

1. During the college year the library is open daily, except on Sunday, from eight o'clock A.M. to nine o'clock P.M. In the summer vacation, except on Saturday and Sunday, the hours are from ten to twelve o'clock A.M. The library is closed all day on the following legal holidays: New Year's Day, the Fourth of July, Thanksgiving Day, and Christmas Day.

2. All officers of the University have direct access to the shelves, and may at any time draw books for use outside of the library.

3. Students may draw for home use as many as three books at a time, which may be kept for two weeks and be once renewed for a like period.

4. Advanced students are allowed access to the shelves upon the recommendation of their instructors.

5. All students have direct access to the current periodicals, books of reference, and such other books as are placed on the reserved shelves in the reading room at the instance of the instructors in the several departments.

6. Persons not connected with the University, desiring to use the library for purposes of study, may be allowed library privileges if responsibly introduced.

GROUNDS AND BUILDINGS.

The University Campus has an area of about seventy-five acres, and is beautifully situated on the shore of Lake Michigan. University Hall, Fayerweather Hall of Science, Dearborn Observatory, Fisk Hall, Memorial Hall, Swift Hall, Orrington Lunt Library, Old College, the Gymnasium, the Dormitory, and Heck Hall are all on the Campus. Willard Hall, Pearsons Hall, and Chapin Hall are situated on Willard Hall Campus, distant from the Campus about three minutes' walk.

For a further description of these buildings see page 55.

Large athletic grounds suitably prepared for use are provided on the upper Campus. In connection with the grand stand, erected by donations from alumni and students, are dressing-rooms for the use of athletic teams.

THE ASTRONOMICAL OBSERVATORY.

The Dearborn Observatory is provided with a substantial building on the upper Campus, the gift of James B. Hobbs, Esq., of Chicago, a trustee of the University (see page 56). Its objects are to make original researches in astronomical science, to assist in the application of astronomy to geography, to communicate exact time, and to furnish instruction in astronomy to the students of the College.

The Observatory is open to visitors on Thursday evening of each week. Visitors may also be admitted at other times by making special arrangements with the Director.

THE MUSEUM.

The Museum of the College of Liberal Arts contains large collections illustrative of anthropology, botany, geology, mineralogy, and zoölogy.

The mineralogical collection is in the Fayerweather Hall of Science; the other sections occupy the fourth floor of University Hall.

THE GYMNASIUM.

The gymnasium is under the immediate supervision of a competent director and is open at suitable hours to students of both sexes. Each student, upon entering the gymnasium, may, if he so desires, be measured and thoroughly examined physically; his health, strength, muscular development, physical defects, etc., will be carefully noted. From these data a special course of exercises, based on scientific principles, will be prescribed to meet his individual needs.

It is the purpose of the director to offer to each student such advice and prescribe such exercises as will give increased health, strength, and symmetry of body.

THE LABORATORIES.

In the several laboratories of the College of Liberal Arts opportunities are provided for practical instruction in botany, chemistry, geology, mineralogy, physics and engineering, psychology, and zoölogy.

BOTANICAL LABORATORY.

Provision is made for conducting the work of the botanical courses in four rooms on the third floor of University Hall. Tables, compound and dissecting microscopes, glassware, reagents and lockers are provided for each student. Microtomes, incubators, and sterilizing apparatus are provided for the advanced courses.

CHEMICAL LABORATORIES.

The accommodations of the Chemical Department in Science Hall include, on the main floor, a lecture-room, seating sixty; a reading-room; a laboratory for general chemistry and qualitative analysis, with forty-six tables; a laboratory for quantitative analysis, with twelve tables; a balance-room, the professor's office and private laboratory, and an assistant's room; in the basement, a general store-room, and a room with four tables equipped with special conveniences for water analysis.

GEOLOGICAL LABORATORY.

The Geological Laboratory is in University Hall and contains: (1) working tables for students, (2) study collections of typical rocks, minerals and fossils, (3) photographs and geological maps,

(4) a geological library, (5) topographical models, (6) a large number of topographic maps, (7) petrographical microscopes, (8) thin sections of rocks and minerals, (9) draughting tables, (10) compasses, barometers, etc. In addition to the above is a collection, belonging to the Wisconsin Geological and Natural History Survey, of over 1,200 specimens from the copper-bearing rocks of the Lake Superior district and the lead and zinc district of southwestern Wisconsin, and the private rock collection and geological library of the Professor of Geology, all of which are open to students. The Geological Museum is on the floor above, and its specimens are also available for study and comparison.

MINERALOGICAL LABORATORY.

The Mineralogical Laboratory is supplied with a collection of one thousand labelled and several hundred unlabelled minerals for the use of students. Glass and wooden crystal models, goniometers, microscopes, electrical slicing and grinding machines, aid in practical work and investigation of the crystallography of minerals. Blowpipe materials in stock are sufficient for the work of blowpipe analysis by wet and dry methods. The Assay Laboratory is well supplied with gas and coal furnaces, tools, balances and reagents.

PHYSICAL LABORATORY AND SHOPS.

The Department of Physics occupies fourteen rooms in Science Hall, excellently adapted to their purposes. It is equipped with modern instruments, especially in the departments of acoustics, electricity, and light.

Among rooms for special purposes may be mentioned a workshop in the basement, a room for work in spectroscopy, fitted with a curved grating, a drawing room, rooms for electric and magnetic work, a room for general optics, a photometric-room, a room for testing the strength of materials with a Riehle testing machine, and several small rooms for individual work. In the court of Science Hall is a power-house with an outfit of two engines, two motors, two dynamos and a large storage battery. These furnish power to the Observatory and Physical Laboratory. This building is also equipped with a machine shop to furnish practice for students who are preparing to be engineers.

The principal wood-working shop is in Fisk Hall. It contains twenty benches for joinery work and ten lathes for wood-turning, and is well fitted up with small tools. The metal-working shop is in the court of Science Hall. The equipment consists of six benches and vises, four engine lathes, shaper, drill-press and drill-grinder, with the necessary small tools.

PSYCHOLOGICAL LABORATORY.

The laboratory for experimental psychology, founded in 1900, has quarters in Old College, consisting of a general laboratory and apparatus room, dark room, research rooms, and an office and reading room. The reading room is supplied with the most useful books and periodicals on experimental psychology. The equipment includes everything necessary for purposes of demonstration in the course in general psychology, also for an elementary laboratory course, and for a few typical researches. Additions are made from time to time, as the work demands.

ZOÖLOGICAL LABORATORY.

The work-rooms of the department of Zoölogy comprise a large general laboratory, a laboratory for vertebrate zoölogy, a seminary room, which is also used as a department library, a room for advanced students, and a preparator's room. The equipment consists of forty-seven excellent compound microscopes, several microtomes of the most recent make, dissecting microscopes and instruments, incubators, aquaria, glassware, reagents, and other apparatus necessary for elementary and advanced work in Zoölogy. The department is also supplied with a full set of Leuckart's Zoölogical charts and several sets of Zeigler's wax models. The library facilities for work in Zoölogy have been increased by the addition of several important biological periodicals and by the purchase of a large number of books and monographs.

GOVERNMENT.

Students are temporary residents of the city of Evanston, and as such are amenable to the laws of the state and to the ordinances of the city. They are also subject to the rules and regulations made by the Faculty. They are held to have a knowledge of the Statutes of the University and of all Faculty requirements published in the catalogue, or otherwise brought to their attention.

Students may be separated from the institution whenever in the opinion of the Faculty they are pursuing a course of conduct seriously detrimental to themselves or to the University. The University will not tolerate either idleness or dissolute habits.

Social Entertainments.—In the interest of the college community the Faculty has adopted the following regulation:

No organization or group of students shall hold in any year more than one party or social entertainment at which both ladies and gentlemen are present. Previous permission must in all cases be obtained from the Committee on Social Affairs. Such parties or entertainments shall close not later than eleven o'clock.

This regulation is administered by the Committee on Social Affairs, which has general oversight of all social activities of students.

Musical Clubs.—Student musical organizations, such as the glee, banjo, or mandolin clubs, and the University Band, are under the supervision of a Standing Committee of the Faculty. The chairman of the committee must be informed of the intended organization of any such association, and must be furnished with a statement of its proposed plans, purposes, and membership. No formal organization is permitted without the knowledge and sanction of the committee. It is especially necessary that the business managers of such organizations make no final arrangements for public appearances of the clubs without the consent of the committee. Under no circumstances will concert dates be permitted to interfere with examinations, or to interrupt study routine. Students with defective standing are not allowed to retain connection with such organizations.

RELIGIOUS WORSHIP.

The charter of the University provides that "no particular religious faith shall be required of those who become students of this institution." The University was not established with the view of forcing on the attention of students the creed of any particular church, but for the promotion of learning under influences conducive to the formation of a manly Christian character. This continues to be its aim and purpose.

Students in the College of Liberal Arts are expected to attend public worship on Sunday in the church of their choice.

Chapel service is held at noon on each week day except Saturday, throughout the college year. Attendance upon at least three-fifths of these services is required under the following regulations:

1. When a student's record shows an attendance of less than three-fifths of the chapel exercises of any semester, one semester-hour is added to the requirements for graduation of that student for every three credits needed to make good the deficiency. In applying this rule, a deficiency of one or two credits is passed over to the next semester; in larger deficiences, the excess above the highest multiple of three is carried over.

2. When at the close of a semester the chapel record of a student shows a surplus of chapel credits, the surplus credits are applied to cancel any semester-hours which may have been added to the requirements because of the defective chapel record of any preceding semester; and the surplus chapel credits not needed to remove such semester-hours are transferred to the chapel record of the following semester.

3. When a student's chapel credits are deficient as many credits as he is expected to secure in one-half of a semester, his registration is cancelled, and may be restored only on the recommendation of the committee on chapel attendance.

STUDENT ORGANIZATIONS.

Through the agency of voluntary student associations an active interest is maintained in matters which relate to the intellectual and social life of the student community.

NORTHERN ORATORICAL LEAGUE.—The oratorical associations of Northwestern University, the University of Michigan, the University of Wisconsin, the University of Iowa, the University of Chicago, the University of Minnesota, and Oberlin College compose the Northern Oratorical League. The purpose of this organization is to promote an interest in public speaking, and to elevate the standard of oratory, by holding annual contests. The contests of the League are open only to undergraduates.

Through the generosity of Mr. Frank O. Lowden, of Chicago, an alumnus and trustee of this University, a prize of $100 is annually awarded to the successful contestant, and one of $50 to the person winning second place.

LITERARY SOCIETIES.—The following societies are maintained by students for purposes of literary culture or debate:

The HINMAN LITERARY SOCIETY meets regularly on Tuesday evenings throughout the year. It was organized in 1855, during the first year of the work of the college, and has had a continuous existence. It was named in honor of the first President of the University, Reverend Clark T. Hinman. Two prizes of twenty and ten dollars respectively, the gift of Mr. James H. Raymond of the class of 1871, are offered annually for competition among its members.

The ADELPHIC LITERARY SOCIETY was first organized prior to 1867. After a prosperous existence of over twenty years it ceased to be active, but was reorganized in 1897. It meets regularly on Thursday evenings. Two prizes of twenty and fifteen dollars respectively, the gift of Dr. M. C. Bragdon of the class of 1870, are competed for annually by its members.

The ROGERS DEBATING CLUB was organized in 1897, and was named in honor of Henry Wade Rogers, then President of the University. It meets on Thursday evenings. Three prizes, the gift of Mr. William Deering, are offered annually for competition among its members.

Two literary societies for women, AGORA and EULEXIA, have recently been formed.

FELLOWSHIPS.

For the promotion of research the University has established six fellowships of $300 each. These are assigned by the President, from year to year, to various departments according to the merits of the applicants and the needs of the departments.

They are open alike to men and women, whether graduates of this University or of other institutions. All appointmens to fellowships are made for one year.

Fellows are not required to pay tuition fees, but may be called upon to give a limited amount of assistance in the work of the department. Fellows entering from other institutions must pay the matriculation fee.

Applications for appointment as Fellow should be made to the President of the University; and such applications, together with credentials, must be in his hands not later than the first of April in each year. The fellowships will be assigned not later than the first of May. Blank forms for application may be had from the Registrar.

SCHOLARSHIPS.

The following scholarships are awarded annually to meritorious undergraduates in the College of Liberal Arts. Applications for appointment should be made to the Dean of the College not later than the first day of May in each year.

Catherine M. White Scholarships.—From a bequest of nine thousand dollars received under the will of Catherine M. White, of Evanston, there have been established five scholarships paying full tuition fees. The recipients must hold themselves responsible for a limited amount of clerical service.

Missionary Scholarships.—The University, in June, 1899, established two scholarships in the College of Liberal Arts, to which the Northwestern Branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church may nominate persons intending to enter upon mission work in the foreign field. These entitle the holders to free tuition. In making nominations preference is given to students from foreign lands.

Methodist Episcopal Church Scholarship.—Founded by the First Methodist Episcopal Church of Evanston for the benefit of meritorious students, and yielding annually the interest on one thousand dollars. This scholarship is awarded by the church officials.

Chicago Record-Herald Scholarship.—A scholarship, the gift of the Chicago *Record-Herald,* which affords free tuition and incidental expenses for one student.

Tully Scholarship.—Founded in 1903 by Mr. B. F. Tully of Chicago, available for a properly accredited candidate for Foreign Missionary service, and paying the full tuition fees of the recipient. In awarding this scholarship promise of usefulness, scholastic attainment, and pecuniary need will be considered in the order named.

Tutorial Scholarships.—Six scholarships are awarded annually in connection with Course E in Pedagogy. The holders are required to teach a limited number of hours a week in the Academy, under supervision, and receive remuneration sufficient to cover tuition fees.

High School Scholarships.—A number of scholarships are awarded annually to members of the incoming class, upon the recommendation of the principal and faculty of the secondary school from which the applicant graduates. Every applicant for these scholarships must meet the full entrance requirements to college and must present certificates from the corps of teachers in his secondary school as to his character, physical vigor, manliness, and promise of usefulness as a citizen. The award is made at the University by a committee of the College faculty.

Marcy Scholarship in Biology.—The University has secured a table at the Marine Biological Laboratory, Wood's Holl, Massachusetts, for the sole use of advanced students from the biological departments of the College of Liberal Arts. The occupants of this table are entitled each season to all the privileges of the laboratory, including instruction, lectures, and the use of appliances and apparatus.

The American School of Classical Studies at Rome.—The University is a contributor to the support of the American School of Classical Studies at Rome, and is represented by a member of the Faculty on its Board of Managers. The school affords facilities for archæological and classical investigation and study in Rome, and graduates of the University are entitled to all of its advantages without expense for tuition.

PRIZES.

The following prizes are offered to students in the College of Liberal Arts who are candidates for a degree. No successful contestant can become a second time a competitor for the same prize. No person will be allowed to compete for any prize against whom, at the time for appointing contestants, unredeemed failures are recorded in more than one department of study.

The Kirk Prize in Oratory.—A prize of one hundred dollars, the gift of Mr. John B. Kirk, of Evanston, is awarded each year to the member of the graduating class who excels in original oratory. The conditions on which the award is made are as follows:

1. Five contestants will be appointed by the Faculty, and announcement of the appointments will be made the first Friday in May.

2. The appointments will be made on the basis of the rhetorical work done during the last three years of the undergraduate course—equal weight being given to the following records: (1) English Language A; (2) English Language B; (3) Elocution B; (4) Elocution C; (5) the Oration submitted for competition.

3. At this contest no prompting of the speakers will be allowed, and failure of memory will exclude a competitor from consideration in the assignment of the prize.

4. The award will be made by a committee appointed by the Faculty, but composed of persons who are not members of the Faculty. The decision will be announced at Commencement.

The Harris Prize in Political and Social Science.—A prize of one hundred dollars, the gift of Mr. Norman W. Harris of Chicago, is awarded to the writer of the best essay on an assigned topic in the department of Economics, Finance, and Administration.

The conditions on which the Harris prize will be awarded are as follows:

1. No undergraduate student will be allowed to compete for this prize unless he shall have completed at the time of making the award the equivalent of Courses A and C in Economics.

2. Essays offered in competition for this prize must contain not less than 10,000 words, and must be either printed or typewritten. If typewritten, they must be on letter paper of a good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound without injury to the writing. On the title-page of each essay must be written an assumed name, and under cover with the essay must be sent a sealed letter containing the true name of the writer and superscribed with his assumed name.

3. The copies of all essays submitted for this prize become the property of the University, and the essay receiving the prize shall have endorsed upon it a certificate of that fact.

4. Each year the essays submitted in competition for this prize must be deposited with the Registrar of the College before twelve o'clock noon on May 1st.

5. The Faculty will appoint three judges of the essays offered and the prize shall be awarded to the essay declared by at least two of the judges to be the best; *provided,* that the University expressly reseves the right to make no award of the prize in any year in which the best essay offered shall, in the opinion of the majority of the judges, not be of sufficient merit to deserve a prize.

The Gage Debate Prizes.—Three prizes of fifty, thirty, and twenty dollars, respectively, are given annually by the Honorable Lyman J. Gage for excellence in debating.

The recipients of these prizes are selected through a series of debates, held in the autumn of each year, to which students from all departments of the University are eligible. The three men receiving the highest ranks in this series of debates receive the Gage prizes in the order of their markings, and they also become the representatives of the University in the annual contest of the Central Debating League. (See page 70.)

The Sargent Prizes in Public Speaking.—Two prizes of fifty and twenty-five dollars, respectively, endowed by Mr. George M. Sargent, of Evanston, will be given to the two students who shall excel in public speaking.

1. Eight candidates will be appointed by the Faculty, the selection being confined to students who have completed not less than fifty hours of college work including Elocution B.

2. In the competition, at least one of the prizes must be given for an oratorical effort. In no case may a declamation exceed twelve hundred words.

3. At this contest no prompting of the speakers will be allowed, and a failure of memory will exclude a competitor from consideration in the assignment of the prizes.

4. The award will be made by a committee appointed by the Faculty, but composed of persons who are not members of that body.

Prizes in Oratory.—Two prizes of fifty and twenty-five dollars, respectively, the gift of Mr. Charles T. Boynton, of Evanston, are given annually to the contestants obtaining the first and second places in the preliminary contest to determine who shall represent the University in the annual contest of the Northern Oratorical League.

CHRISTIAN ASSOCIATIONS.

A Young Men's Christian Association and a Young Woman's Christian Association are maintained in active operation in the College, and exert a helpful influence upon the religious life of the students. The headquarters for the Men's Association are at the Association House, 2023 Orrington Avenue, and for the Woman's Association, at Willard Hall. Each Association employs a general secretary and maintains a bureau of self-help for students seeking employment. Under the direction of these organizations, religious meetings are held each week, and daily study of the Bible is promoted.

FEES AND EXPENSES.

Matriculation Fee.—Every student, on first entering the College of Liberal Arts, is required to pay a matriculation fee of five dollars. This fee is paid but once and is not returnable.

Fees for Undergraduates.—At the beginning of each semester undergraduate students are required to pay fees for instruction and incidentals as shown in the following table. Upon payment of his semester bill a student is entitled to all the general privileges of membership in the College. He may take any course for which he is qualified under the regulations affecting registration, but in certain laboratory courses he is required to pay additional fees as shown below.

SCHEDULE OF UNDERGRADUATE FEES.

Regular full tuition and incidentals.....	$40.00	a semester.
For sons and daughters of ministers and candidates for the ministry.....	25.00	"
For students pursuing a single study, i. e., work not exceeding five hours a week.....	25.00	"
For sons and daughters of ministers pursuing a single study.....	18.00	"
Botanical Laboratory—		
Course A, B, or D.....	2.00	"
Course C or E.....	3.00	"
Chemical Laboratory—		
Course A	7.50	"
Course B, C, or D.....	9.00	"
Mineralogical Laboratory—		
Course A (Second Semester).....	3.00	"
Course E	5.00	"
Zoölogical Laboratory—		
Any course except Course E.....	5.00	"
For two Courses taken concurrently..	7.50	"

Under this schedule, holders of old-time perpetual scholarships will pay eighteen dollars a semester for incidentals.

The laboratory fees in the foregoing schedule are intended to cover the cost of materials actually consumed and are in the nature of deposits, unexpended balances being returned to the student at the end of the semester.

Fees for Graduate Students.—The tuition fees for graduate students are determined by the number of hours of instruction taken. The fee for a lecture, or seminary, or laboratory course is five dollars for each year-hour of credit which the course bears; but the total amount of tuition fees in any one year shall not exceed forty dollars.

Graduation Fee.—A fee of ten dollars is charged all persons taking any degree in the College of Liberal Arts. This fee is payable on the first day of May of the year of graduation.

All bills for fees are made out at the Registrar's office in University Hall. Payment is made at the University Business Office, 518 Davis Street, Evanston. Checks should be made payable to "Northwestern University."

No fees for instruction or incidentals will be refunded except in case of sickness. In this event, if the student procures from the Dean a statement of honorable standing, and from a physician a certificate of inability to remain in attendance, half of the amount paid will be refunded, if application is made before the middle of the semester.

BOARD AND LODGING.

Students living in Willard Hall pay, for board and room, from $117.00 to $126.00 a semester, according to the desirability of the room. Students in Pearsons Hall and in Chapin Hall pay for room and board $55.00 a semester, payment to be made in quarterly installments at the beginning and at the middle of the semester. A deposit of $5.00 is required when a room is reserved for later occupancy.

The prices paid in Willard, Pearsons, and Chapin Halls include a furnished room, light, fuel, and the washing of twelve plain pieces. The occupants of the rooms furnish their own bed-clothing, pillows, and towels.

Room and board bills are payable strictly in advance. No deduction is made for absence in any part of the term, except in cases of protracted illness.

The University does not undertake to provide dormitories for young men, beyond the limited accommodations described on page 86. They may obtain board and lodging in private families at reasonable rates. Clubs are also formed in which the cost of board is reduced to a minimum.

The following table exhibits the scale of annual expenditure:

	Low.	Average.	Liberal.
Tuition and Incidental fees	$ 80	$ 80	$ 80
Board (36 weeks)	108	135	162
Room	40	72	100
Washing	18	25	35
Text-books and stationery	10	18	35
	$256	$330	$412

LOAN FUNDS.

The University receives annually a considerable sum of money to be loaned without interest to needy and deserving students who are preparing for the ministry, or for other forms of Christian work. Loans from this fund are available to students without distinction of sex, and are made upon the recommendation of the Committee on Loans and Charitable Funds.

SELF-SUPPORT OF STUDENTS

Numerous inquiries are addressed to the authorities of the University, by persons without adequate funds to defray their expenses and desirous of carrying on collegiate studies, asking whether the institution furnishes to students means of employment which will enable them to support themselves wholly or in part while engaged in the prosecution of their studies. It is proper to say that the University does not undertake to furnish employment to any student, and it does not encourage students to enter who are entirely without resources. It happens each year that not a few students are able to aid themselves very materially by their own labor while carrying on their studies, but the student is obliged to rely on his own ability, industry, and economy in all such cases. The Young Men's Christian Association conducts a bureau of self-help which is of great assistance in securing work for those desiring it, and any inquiries sent to the Secretary of that Association will receive careful attention.

For further information in regard to the College of Liberal Arts, address the Dean of the College, Evanston, Illinois.

For blank forms of admission and for particulars as to entrance reqirements and all matters of record, address the Registrar of the College of Liberal Arts, Evanston, Illinois.

THE MEDICAL SCHOOL.

CHICAGO.

FACULTY.

EDMUND JANES JAMES, PH.D., LL.D., *President.*

NATHAN SMITH DAVIS, JR., A.M., M.D., *Dean, Professor of Principles and Practice of Medicine and of Clinical Medicine.*

NATHAN SMITH DAVIS, A.M., M.D., LL.D., *Emeritus Dean and Professor of Principles and Practice of Medicine and of Clinical Medicine.*

EDWARD OSCAR FITZALAN ROLER, A.M., M.D., *Professor Emeritus of Obstetrics.*

JOHN HAMILCAR HOLLISTER, A.M., M.D., *Professor Emeritus of Clinical Medicine.*

RALPH NELSON ISHAM, A.M., M.D., *Professor Emeritus of Surgery and Clinical Surgery.*

*EDMUND ANDREWS, A.M., M.D., LL.D., *Professor Emeritus of Clinical Surgery.*

FRANK SEWARD JOHNSON, *Emeritus Dean and Professor of Medicine and of Clinical Medicine.*

JOHN HARPER LONG, M.S., SC.D., *Professor of Chemistry and Director of the Chemical Laboratories.*

EMILIUS CLARK DUDLEY, A.M., M.D., *Professor of Gynecology.*

JOHN EDWIN OWENS, M.D., *Professor of Surgery and Clinical Surgery.*

WILLIAM EVANS CASSELBERRY, M.D., *Professor of Laryngology and Rhinology.*

EDWARD WYLLYS ANDREWS, A.M., M.D., *Professor of Surgery and Clinical Surgery.*

FRANK TAYLOR ANDREWS, A.M., M.D., *Professor of Clinical Gynecology.*

* Deceased January 22, 1904.

George Washington Webster, M.D., *Professor of Clinical Medicine.*

Joseph Zeisler, M.D., *Professor of Skin and Venereal Diseases.*

William Edward Morgan, M.D., *Professor of Clinical Surgery.*

Horace Mann Starkey, M.D., *Professor of Clinical Ophthalmology and Otology.*

Henry Gradle, M.D., *Professor of Ophthalmology and Otology.*

Archibald Church, M.D., *Professor of Nervous and Mental Diseases and Medical Jurisprudence.*

John Ridlon, A.M., M.D., *Professor of Orthopedic Surgery.*

Winfield Scott Hall, A.M., M.D., Ph.D., *Junior Dean, Davis Professor of Physiology.*

Arthur Robin Edwards, A.M., M.D., *Secretary, Professor of Principles and Practice of Medicine and of Clinical Medicine.*

Weller Van Hook, A.B., M.D., *Professor of Surgery and Clinical Surgery.*

Joseph Bolivar De Lee, M.D., *Professor of Obstetrics.*

Robert Bruce Preble, A.B., M.D., *Professor of Medicine.*

Frank Xavier Walls, M.D., *Professor of Clinical Pediatrics.*

John Benjamin Murphy, A.M., M.D., *Professor of Surgery and of Clinical Surgery.*

Frederick Robert Zeit, M.D., *Professor of Pathology and Bacteriology.*

Samuel Craig Plummer, Jr., A.M., M.D., *Professor of Surgical Anatomy and Operative Surgery.*

William Edward Schroeder, M.D., *Professor of Surgery and of Clinical Surgery.*

Thomas James Watkins, M.D., *Professor of Clinical Gynecology.*

Lester Emanuel Frankenthal, M.D., *Professor of Clinical Gynecology.*

Hugh Talbot Patrick, M.D., *Clinical Professor of Nervous and Mental Diseases.*

Charles Louis Mix, A.M., M.D., *Professor of Physical Diagnosis and Assistant Professor of Anatomy.*

Frank Allport, M.D., *Professor of Clinical Ophthalmology and Otology.*

Charles Bert Reed, M.D., *Assistant Professor of Obstetrics.*

Charles Hill, Ph.D., M.D., *Assistant Professor of Histology and Embryology.*

LUCIUS CROCKER PARDEE, M.D., *Assistant Professor of Skin and Venereal Diseases.*

CHARLES HENDERSON MILLER, PH.G., M.D., *Assistant Professor of Pharmacology.*

PETER THOMAS BURNS, M.D., *Assistant Professor of Anatomy and Director of the Anatomical Laboratory.*

LOUIS ERNEST SCHMIDT, M.S., M.D., *Clinical Professor of Genito-Urinary Surgery.*

WILLIAM ALFRED MANN, M.D., *Assistant Clinical Professor of Ophthalmology and Otology.*

FREDERICK MENGE, M.D., *Assistant Professor of Laryngology and Rhinology.*

WILLIAM CUTHBERTSON, M.D., *Lecturer on Clinical Gynecology.*

INSTRUCTORS.

WALTER STEELE BARNES, M.D., *Instructor in Gynecology.*

VICTOR H. BASSETT, M.D., *Instructor in Bacteriology.*

GEORGE EDWIN BAXTER, PH.B., M.D., *Instructor in General Pathology.*

FREDERICK ATWOOD BESLEY, M.D., *Instructor in Surgery and Clinical Surgery.*

ANDREW JACKSON BRISLEN, M.D., *Instructor in Clinical Orthopedic Surgery.*

COLEMAN GRAVES BUFORD, M.D., *Instructor in Clinical Surgery.*

FRANKLIN K. BURR, M.D., *Instructor in Clinical Laryngology and Rhinology.*

PAUL CHESTER, B.S., M.D., *Instructor in Physical Diagnosis.*

JOHN GAILEY CAMPBELL, A.M., M.D., *Instructor in Clinical Medicine.*

WILLIAM ROBERT CUBBINS, B.S., M.D., *Instructor in Clinical Surgery.*

ACHILLES DAVIS, PH.B., M.D., *Instructor in Medicine.*

GEORGE BOYD DYCHE, A.B., M.D., *Instructor in Medicine.*

FREDERICK CHARLES EGGERT, M.D., *Instructor in Operative Surgery.*

CHARLES ADDISON ELLIOTT, B.S., M.D., *Instructor in Clinical Medicine.*

EDSON BRADY FOWLER, A.B., M.D., *Instructor in Clinical Medicine.*

Robert Tracy Gillmore, M.D., *Instructor in Gynecology.*

Alexander Aaron Goldsmith, M.D., *Instructor in Histopathology.*

Frederick R. Green, A.M., M.D., *Instructor, First Demonstrator in Anatomy.*

Julius Grinker, M.D., *Instructor in Clinical Neurology.*

Winfield Scott Harpole, M.D., *Instructor in Medicine.*

William Healy, A.B., M.D., *Instructor in Gynecology.*

D'Orsay Hecht, M.D., *Instructor in Clinical Neurology.*

Charles Mayor Jacobs, M.D., *Instructor in Clinical Orthopedic Surgery.*

William Johnson, Ph.C., *Instructor in Chemistry.*

Allen Buckner Kanavel, Ph.B., M.D., *Instructor in Clinical Surgery.*

Ellis Kirk Kerr, A.M., M.D., *Instructor in Medicine.*

Gottfried Koehler, Ph.G., M.D., *Instructor in Clinical Pathology.*

Charles J. Kurtz, A.M., M.D., *Instructor in Physiology.*

David Falkner Monash, M.D., *Instructor in Obstetrics.*

Paul Frederick Morf, M.D., *Instructor in Clinical Surgery.*

James Mitchell Neff, M.D., *Instructor in Clinical Surgery.*

Isaac Donaldson Rawlings, M.D., *Instructor in Contagious Diseases at the Isolation Hospital.*

Harry Mortimer Richter, M.D., *Instructor in Clinical Surgery.*

Henry Edward Sauer, B.S., M.D., *Instructor in Gynecology.*

CLINICAL ASSISTANTS.

William Sherman Bracken, M.D., *Assistant in Clinical Laryngology and Rhinology.*

Joseph Brennemann, M.D., *Assistant in Clinical Pediatrics.*

William E. Brenneman, Jr., M.D., *Assistant in Clinical Neurology.*

Diederick A. Brumund, M.D., *Assistant in Clinical Genito-Urinary Surgery.*

George Bassett Butt, M.D., *Assistant in Clinical Medicine.*

J. Edgar Colloran, M.D., *Assistant in Clinical Genito-Urinary Diseases.*

Eugene F. Damm, M.D., *Assistant in Clinical Medicine.*

George James Dennis, M.D., *Assistant in Clinical Laryngology and Rhinology.*

Charles Marvin Fox, M.D., *Assistant in Clinical Medicine.*

Harold Kenneth Gibson, M.D., *Assistant in Clinical Medicine.*

Alexander Philip Horwitz, M.D., *Assistant in Clinical Ophthalmology and Otology.*

Arthur C. Kleutgen, M.D., *Assistant in Clinical Genito-Urinary Surgery.*

Cornelius A. Leenheer, Ph.G., M.D., *Assistant in Clinical Ophthalmology and Otology.*

Otis Hardy Maclay, B.S., M.D., *Assistant in Clinical Laryngology and Rhinology.*

Charles Martin Matter, M.D., *Assistant in Clinical Surgery.*

Thomas Charles McGonagle, M.D., *Assistant in Clinical Pediatrics.*

Albert Earl Mowry, M.D., *Assistant in Clinical Medicine.*

Rupert Merrill Parker, B.S., M.D., *Assistant in Clinical Surgery.*

Richard Starr Pattillo, M.D., *Assistant in Clinical Ophthalmology and Otology.*

Albert Pech, M.D., *Assistant in Clinical Genito-Urinary Surgery.*

William Augustus Peterson, B.S., M.D., *Assistant in Clinical Ophthalmology and Otology.*

Alice Fidelia Pitkin, M.D., *Assistant in Clinical Surgery.*

Robert Edmund Ransmeier, M.D., *Assistant in Clinical Laryngology and Rhinology.*

Ernest Charles Riebel, M.D., *Assistant in Clinical Surgery.*

David Salinger, M.D., *Assistant in Clinical Ophthalmology and Otology.*

George Curtice Shockey, M.D., *Assistant in Clinical Neurology.*

Morton Snow, M.D., *Assistant in Clinical Pediatrics.*

John Perley Sprague, A.B., M.D., *Assistant in Clinical Neurology.*

Ross Chauncey Whitman, A.B., M.D., *Assistant in Clinical Neurology.*

Sherman Elijah Wright, M.D., *Assistant in Clinical Ophthalmology and Otology.*

Charles Benjamin Younger, M.D., *Assistant in Clinical Laryngology and Rhinology.*

William A. Hillmeyer, M.D., *Assistant Demonstrator of Anatomy.*

Ernest Ray Reynolds, M.D., *Assistant Demonstrator of Anatomy.*

Henry Diedrick Roehler, M.D., *Demonstrator of Operative Obstetrics.*

James George Ross, M.D., *Demonstrator of Bandaging.*

Frank Peter St. Clair, M.D., *Assistant Demonstrator of Anatomy.*

Herbert Marion Stowe, M.D., *Demonstrator of Operative Obstetrics.*

STUDENT ASSISTANTS.

Walter Stanley Griswold, B.A., *Pathology and Bacteriology.*

Warren Melvin Karshner, B.S., *Histology.*

Theron James Kinnear, A.B., *Physiology.*

John Dexter Lyon, B.D., *Physiology.*

Edwin Foster, *Pathology and Bacteriology.*

Harry D. Cartmell, *Pathology and Bacteriology.*

Walter Klingeman Long, B.Sc., *Chemistry.*

Marinus L. Holm, Ph.C., *Chemistry.*

Arthur J. Bailey, *Chemistry.*

Wilhelm Loeser, *Physiology.*

Walter Gelvin Bain, A.B., *Histology.*

Ralph Welty Nauss, B.Sc., *Physiology.*

Hiram Porter Hendricks, *Clerk.*

LOCATION AND BUILDINGS.

The Medical School is in Chicago, on Dearborn Street between Twenty-fourth and Twenty-fifth Streets. It is in close proximity to Wesley Hospital, with which it is connected by a covered corridor; also to Mercy Hospital, and St. Luke's Hospital, in a district of the city which furnishes an almost exhaustless supply of clinical material.

The buildings, Davis Hall and the Laboratory Building, are comparatively new and were erected for the purposes of the School. For a description of the buildings see pages 57 and 58, and for the history of the School see page 52.

REQUIREMENTS FOR ADMISSION.

Candidates may qualify for admission to the Medical School under the following regulations:

(*a*) Graduates of American colleges in arts or in science will be admitted without examination upon presentation of their diplomas.

(*b*) Graduates of public high schools or other secondary schools of similar grade requiring a four-year curriculum for graduation and giving courses equivalent to those required for admission to the College of Liberal Arts of Northwestern University, will be admitted without examination upon presentation of their diplomas or certificates.

(*c*) Graduates of State Normal Schools or of similar institutions whose courses of study are fully equivalent to those of public high schools with a four-year curriculum will be admitted without examination upon presentation of their diplomas.

(*d*) Students not holding certificates or diplomas similar to those indicated above will be required to pass an examination for admission upon the subjects required for admission to the College of Liberal Arts of this University. In such examination, substitutes for the prescribed subjects will be accepted so far as they are fully equivalent to those indicated in the requirements for admission to the College of Liberal Arts.

After December 31st, 1904, applicants must present, in addition to the requirements indicated above, certificates for a year's work in Chemistry and in French or German of college grade.

Examinations for admission to the Medical School are held at the School on the first Monday in October. By special arrangement examinations may also be held at St. Paul, Minnesota; Denver, Colorado; Omaha, Nebraska; St. Louis, Missouri; Cincinnati, Ohio; Detroit, Michigan; Portland, Oregon; and San Francisco, California. For all such examinations application must be made to the Secretary prior to June 1st.

Students conditioned in entrance requirements must make up these conditions before the beginning of the second year, else they cannot be admitted as regular students in the second-year course.

Special students not candidates for the degree of Doctor of Medicine will be admitted without the presentation of diplomas and without the examinations mentioned above.

PREPARATION FOR THE STUDY OF MEDICINE.

Students contemplating the study of medicine are urged to take at least two years of work in a college of arts or science before entering the Medical School. The tendency in the leading university medical schools is to demand part of a college course for admission to the medical courses. It is therefore necessary for those preparing to study medicine to bear this fact in mind. The following should be among the studies pursued:

Modern Languages: German or French, two years.
Chemistry: General, inorganic, qualitative analysis, organic.
Physics: Mechanics, hydraulics, sound, light, electricity.
Biology: Biology of plants, general biology, comparative anatomy, and physiology of vertebrates.

ADMISSION TO ADVANCED STANDING.

Students who have pursued in another institution the following First Year Medical Course, or any part of it, will be admitted to advanced standing in the subjects covered by their official credentials. The Committee on Credentials will pass upon the evidence presented by the student, and will require an examination if the certificates are not satisfactory:

Anatomy, Recitations (64 hours) and Laboratory work (320 hours), covering Osteology, and Dissection of two parts of the human body.

Physiology, Recitations (96 hours) and Laboratory work (72 hours), covering General Physiology of cells and tissues, and the Special Physiology of the circulatory and respiratory systems, including Normal Hæmatology.

Chemistry, Lectures and Demonstrations (96 hours) and Laboratory work (192 hours), covering General Chemistry and Qualitative Analysis, with Organic Chemistry.

Histology and Embryology, Recitations (48 hours) and Laboratory work (192 hours), covering the microscopical anatomy of human tissues and organs and the development of vertebrate embryos.

Students from other medical schools who apply for advanced standing must present to the Committee on Credentials satisfactory records for all work in which credit is asked, or must pass examinations in all of the branches for which they desire credit.

Students from other medical colleges will not be admitted to the senior class.

COMBINED COURSES.

Medical students who hold a Bachelor's degree in Arts or Science from a University of accepted grade can obtain from this University a Master's degree when they graduate in Medicine, by complying with the requirements as stated on page 159 of this catalogue.

The University offers the following combined course which enables a student to obtain the B.S. and M.D. degrees in six years. A diligent student can complete these courses by the time he is twenty-four or twenty-five years of age:

IN THE COLLEGE OF LIBERAL ARTS.

First Year.—	English Language A,	three hours.
	French A or German A,	four hours.
	Zoölogy A (General Biology),	four hours.
	Mathematics A or AB,	four or five hours.
	English Literature A,	two hours.
Second Year.—	German A or French A,	four hours.
	Zoölogy C (Histology),	three hours.
	Chemistry A,	four hours.
	Physics A,	four hours.
	One of the following:	
	History, Philosophy, Economics,	three hours.
	Pharmacology (in Chicago),	two hours.
Third Year.—	Chemistry B,	four hours.
	Chemistry C (Second Semester)	four hours.
	Philosophy E,	one hour.
	Zoölogy D, Comparative Anatomy, Physiology, and Embryology,	four hours.
	Anatomy (Dissections; Osteology, laboratory and recitations in Chicago),	six hours.

Before the student transfers from the College to the Medical School he must have completed enough work to make a total credit of ninety semester hours, including all required studies as described on page 88, and must have fulfilled the requirements as to major and minor.

IN THE MEDICAL SCHOOL.

Fourth Year.—The regular work of the second year in Medicine and Physical Diagnosis, VII, 2.
Fifth Year.—The Junior Course in the Medical School.
Sixth Year.—The Senior Course in the Medical School.

The degree of Bachelor of Science is granted at the end of the fourth year of this combined course and that of Doctor of Medicine at the end of the sixth.

Students who enter the College of Liberal Arts with advanced credits in two or more subjects can obtain the A.B. degree in the same way. The specific requirements for this degree should be carefully noted.

Students of the College of Liberal Arts who have completed the required courses for their degree may elect their senior work in the Medical School.

METHODS OF INSTRUCTION.

This Medical School was the first in the country to grade its courses, and it has steadily perfected the system of gradations so that fundamental subjects may be studied first, and superstructural subjects follow, each subject preparing the way for what is to succeed it. The advantage of such a gradation of subjects can only be secured by a student attending college for at least eight months consecutively each year, and by beginning with the fundamental subjects which are started in the fall semester of each year.

INSTRUCTION is given by *Recitations* for which the student prepares himself by the careful study of an assigned chapter of a text-book; by *Laboratory Exercises* in which the student performs for himself various experiments under the supervision of laboratory assistants; by *Demonstrations* in which the professor performs for the whole class or for a section of the class some experiment not well fitted for laboratory exercise, lecturing during

the progress of the demonstration; by *Illustrated Lectures,* supplementing the standard text-book; by *Colloquia* or *Conferences* in which students and professor informally discuss announced topics.

The greatest care has been taken so to arrange the course that the studies of the first year shall prepare the student for those which are to follow in the second year and that the first two years which comprise the laboratory courses shall make a broad and substantial foundation for the clinical courses and hospital practice of the last two years.

The studies of the whole course are grouped into departments, the work of each department being graded from the more general and fundamental to the more specialized and advanced. The work in each department is under the complete supervision of the head of the department and is thus unified, and as complete as the time allotted to it will permit.

The work in any one department is planned with reference to the work done in all other departments, and the greatest care is taken that the work of the different departments shall be so correlated that the student in taking up a new subject shall find himself prepared for that work by what has been done in other departments.

The classes are limited in size, a matter of very great advantage to a student, giving him the privilege of the personal instruction of the head of each department. The sections of the class are sufficiently small to give to each student an opportunity to perform for himself every step in the technique of laboratory and clinical courses, thus affording the advantage of the personal supervision of the head of the department or of an experienced demonstrator throughout these courses.

Clinical Instruction occupies most of the student's time during the last two years and a part of the time during the second year. Clinical material is in the greatest abundance and is furnished by the South Side Dispensary, Wesley Hospital, Mercy Hospital, St. Luke's Hospital, Provident Hospital, Cook County Hospital, and the Chicago Lying-in-Dispensary. Some of the hospital and college clinics are attended by whole classes of one hundred or more, but the greater number of clinics are open only to sections of the class, where twelve or sixteen students receive individual instruction and practice in all phases of physical examination, diagnosis, and treatment. A most important feature of the clinical instruction is found in the bedside hospital clinics in which a small group of students accompanies the professor through the ward, and has an opportunity to study the details of symptoms, diagnosis, and treatment, and to follow the cases throughout the progress of disease. The course of bedside clinical instruction is so arranged that each stu-

dent has at least two periods a week. The hospital beds to which the students thus have access number in the aggregate over five hundred.

SYNOPSIS OF THE MEDICAL COURSE.

In the following schedule, the course of study leading to the degree of Doctor of Medicine is outlined. In the left hand column there appear by title the courses required of all students. These are described under the headings of the several departments of instruction.

In the right hand column there are listed a few optional courses offered to small classes of students, to whom special laboratory and clinical instruction will be given. In some of these courses a fee additional to the regular fee will be charged each student for material used by him. Some of the optional courses are clinical or operative and are most naturally taken during the junior or senior years.

Required Courses.	*Optional Courses.*
FIRST YEAR.	
Chemistry, I, *a, b, c, d, e, f.*	
Anatomy, II, *a, b, c, d.*	
Histology and Embryology, III, *a, b, c.*	
Physiology, IV, *a, b, c, d, e.*	
Physical Diagnosis, VII, *a.*	
Surgery. XV.	
SECOND YEAR.	SECOND YEAR.
Chemistry I, *g, h, i.*	Histology, III, *e.*
Anatomy, II, *e, f, g, h.*	Chemistry, I, *j.*
Histology, III, *d.*	Bacteriology and Pathology, VI, *k, l, m.*
Physiology, IV, *f, g, h, i, j, k.*	
Pharmacology, V, *a, b, c, d.*	
Bacteriology and Pathology, VI, *a, b, c, d, e, f, i.*	
Physical Diagnosis, VII, *b, c.*	
Eye and Ear, XI, *a.*	
Surgery, XV, *a.*	
Medicine, XVI, *a, b, c.*	

THIRD YEAR.

Pathology, VI, *g, h, i.*
Obstetrics, VIII, *a, d.*
Dermatology and Syphilology, IX, *a, b.*
Laryngology and Rhinology, X, *a, b, c.*
Eye and Ear, XI, *b.*
Gynecology, XII, *a.*
Nervous Diseases, XIII, *g.*
Surgery, XV, *b, c, d, e, f, g, h.*
Orthopedic Surgery, XV, *a, b, c.*
Medicine, XVI, *d, e, f, g.*
Pediatrics, XIV, *a, b, c.*

FOURTH YEAR.

Obstetrics, VIII, *b, c, d.*
Dermatology and Syphilology, IX, *c.*
Eye and Ear, XI, *c, d, e, f.*
Gynecology, XII, *b, c, d, e, f.*
Neurology, XIII, *a, b, c, d, e, f.*
Mental Diseases and Medical Jurisprudence, XIII, *a, b, c.*
Surgery, XV, *i, j, k, l, m, n, o.*
Medicine, XVI, *h, i, j, k, l, m.*
Pathology, VI, *i.*

THIRD YEAR.

Pharmacology, V, *e.*
Physiology, IV, *l, m.*
Histology, III, *e.*
Chemistry, I, *j.*
Orthopedic Surgery, XV, *d.*
Bacteriology and Pathology, VI, *k, l, m.*

FOURTH YEAR.

Pharmacology, V, *e.*
Physiology, IV, *l, m.*
Histology, III, *e.*
Bacteriology and Pathology, VI, *k, l, m.*

DEPARTMENTS OF INSTRUCTION.

The work in each department begins with the fundamental and passes to the more advanced or special. The student should take the courses in the order enumerated, though some deviation from this rule may be allowed when approved by the Faculty.

I. DEPARTMENT OF CHEMISTRY.

The work in this department extends through the freshman and sophomore years and is required of all students. After 1904 the subjects of General Inorganic Chemistry, and Qualitative and Volumetric Analytical Chemistry will be

required for admission and the work now given in the second year will be transferred to the first year.

FIRST YEAR.

(a) General and Inorganic Chemistry. Lectures and demonstrations. Three times a week with frequent additional quizzes. One and a third Semesters.
Professor LONG and assistant.

(b) Organic Chemistry. Lectures and demonstrations. Three times a week. Two-thirds of a Semester.
Professor LONG.

(c) Elementary Electricity, or the Physics of Medical Electricity. Lectures and demonstrations. Twice a week. One-half of a Semester.
Professor LONG.

(d) General Experiments. Laboratory Course. Three times a week. Three-fourths of a Semester.
Professor LONG, Mr. JOHNSON, and assistants.

(e) Qualitative Analysis. Laboratory Course. Three times a week. Three-fourths of a Semester.
Professor LONG, Mr. JOHNSON, and assistants.

(f) Volumetric Analysis. Laboratory Course. Three times a week. One-half of a Semester.
Professor LONG, Mr. JOHNSON, and assistants.

SECOND YEAR.

(g) Physiological Chemistry. Lectures and demonstrations. Once a week through the year.
Professor LONG.

(h) Physiological Chemistry. Laboratory Course. Twice a week. One Semester.
Professor LONG and Mr. JOHNSON.

(i) Urine Analysis. Laboratory course. Twice a week. One Semester.
Professor LONG and Mr. JOHNSON.

(j) Laboratory courses. Opportunity is given to second and third year students to carry on investigations in special lines of Physiological Chemistry, and to become familiar with the application of the spectroscope, polariscope, and other instruments, as aids in original study. The more advanced work for the coming year will be in the direction of investigations on new methods of urine and feces analysis.

The following courses in the College of Liberal Arts at Evanston will be accepted for credit in the Medical School.

A. General Chemistry. Four hours a week.
Professor YOUNG and Mr. PEARCE.

B. Qualitative Analysis and Organic Chemistry. Four hours a week.
Professor YOUNG.

C. Volumetric Analysis. Four hours a week, second Semester.
Professor YOUNG.

The satisfactory completion of these courses in College will give the student credit for courses (a), (b), (d), (e), and (f), in the Medical School.

II. DEPARTMENT OF ANATOMY.

The equipment of the Department of Anatomy has been recently very much enlarged and contains an embalming laboratory with complete appliances for injecting and preserving anatomical material, also a large refrigerator room with a capacity of several hundred cadavers. The Anatomical Laboratory is a large, well ventilated, and well lighted room on the fifth floor of the Laboratory Building, provided with every help, in the way of skeletons, models, and charts, ordinarily used in such a laboratory. There is a well furnished osteological laboratory and museum. Each student is provided with a complete skeleton.

The course in Anatomy is chiefly a laboratory course with the human subject and with models and charts always before the student. Valuable use is made also of some of the lower animals in the teaching of technique and for purposes of comparison.

FIRST YEAR.

(a) Introductory course in General Anatomy. Lectures and demonstrations. Three time a week. One-eighth of a Semester.
Four three-hour laboratory periods a week. One-eighth of a Semester.
Dr. GREEN.

(b) Human Dissections. Four three-hour periods a week. One Semester.
Professor BURNS, Dr. GREEN, and assistants.

(c) Recitations on laboratory work. Twice a week. One Semester.
Professor BURNS and Dr. GREEN.

(d) Human Osteology. Laboratory work accompanied by quizzes. Four three-hour periods a week. One-quarter of a Semester. Recitations, three times a week. One-quarter of a Semester.
Dr. GREEN.

SECOND YEAR.

(e) Neurology (A). Laboratory work, demonstrations, and lectures on the gross anatomy of the brain and spinal cord. Twice a week. One-half of a Semester.
Professors MIX and HILL.

(f) Neurology (B). Microscopical anatomy of the spinal cord and brain. Two one-hour laboratory periods a week. One-half of a Semester.
Professor HILL.

(g) Human Dissections. The head and neck, and the viscera, with laboratory recitations on the points dissected. Four three-hour periods a week. One Semester.
Professor BURNS, Dr. GREEN, and assistants.

(h) Applied Anatomy, with especial reference to surgical landmarks, topographical anatomy, and splanchnology.
Professor MIX.

III. DEPARTMENT OF HISTOLOGY AND EMBRYOLOGY.

The available room and equipment for this department has recently been enlarged and very much improved. The laboratories are on the third floor, affording the best of light, and fitted up with tables, lockers, and modern apparatus both for the individual student and the general class work. The department now has a large general laboratory, a preparation room, and two private rooms for assistants and instructor.

Instruction is offered both in splanchnology and in the normal histology of tissue and organs. Each student has the

use of a compound microscope, dissecting microscopes, and all necessary apparatus for the manipulation and preparation of histological material. The courses embrace instruction in preparation, section cutting, staining, and mounting of normal specimens, and their subsequent study under the microscope.

FIRST YEAR.

(a) General and Special Histology and Embryology. Recitations. Twice a week first half-semester, once a week afterward.
Professor HILL.

(b) Histology, General and Special. Laboratory. A study of the normal histology of tissues and organs, not including the brain and spinal cord. Two periods a week of three hours each. One and a half Semesters.
Professor HILL.

(c) Embryology. Laboratory work, two periods a week of three hours each. One-third of a Semester.
Professor HILL.

Courses in Embryology are given daily during the summer vacation by Professor HILL and Mr. KARSHNER. These are equivalent to (a), (b), (c).

SECOND YEAR.

(d) Microscopical Anatomy of the Spinal Cord and Brain. Two laboratory periods a week. One-fourth of a Semester.
Professors HILL and MIX.

SECOND, THIRD, AND FOURTH YEARS.

(e) Special Problems in Histology and Embryology.
Professor HILL.

The following courses in Zoölogy given in the College of Liberal Arts at Evanston are accepted for credit in the Medical School:

A General Biology. Two lectures and four hours laboratory work each week throughout the year.
Professor LOCY.

This course includes introductory work in Embryology and much attention is given to general physiology. It is recommended as a general introduction to Histology and Physiology.

C Cytology and Histology. One lecture and four hours laboratory work each week throughout the year.
Professor HILL.

D Vertebrate Embryology. Two lectures and four hours laboratory work each week, Second Semester.
Professor LOCY.

The completion of these courses in the College of Liberal Arts gives the student credit for (a), (b), and (c) as announced above.

IV. DEPARTMENT OF PHYSIOLOGY.

The equipment of this department comprises a general laboratory, 40 by 70 feet, two special laboratories, an instrument room, a library, shop, preparation room, and an animal house. The instruction is based upon laboratory work and demonstrations. In the laboratory each student demonstrates for himself fundamental laws of physiology, and observes for himself the phenomena upon which these laws are based. The demonstrations usually present experiments too difficult for the student to perform alone. The laboratory work with the demonstrations forms an experimental basis for the science of Physiology, which is presented systematically in the recitation course accompanying the experimental courses.

FIRST YEAR.

(a) General Physiology, Cellular Biology, and the Physiology of Muscle and Nerve-tissue, and of the Muscular System. Lectures and demonstrations, three times a week, and laboratory work one period a week. One Semester.
Professor HALL and assistants.

(b) Special Physiology. The Physiology of Circulation and Respiration. Recitations and demonstrations, three periods a week. One-half of a Semester.
Professor HALL and assistants.

(b, b) Summer course, daily for four weeks.
Equivalent to (b).
Dr. KURTZ.

(c) Hæmatology. The Physiology of the Blood. Recitations and demonstrations, three times a week. Laboratory work, two periods a week. One-fourth of a Semester.
Professor HALL and Dr. KURTZ.

(c, c) Summer course, daily for four weeks.
Equivalent to (c).
Dr. KURTZ.

(d) The Physiology of Reproduction. Lectures and demonstrations, three times a week. One-eighth of a Semester.
Professor HALL.

(e) Nutrition, Chemistry of the animal body, and Chemistry of Food and Food Stuffs. Recitations and demonstrations three times a week. One-eighth of a Semester.
Professor HALL.

SECOND YEAR.

(f) Physiology of the Special Senses. Recitations, demonstrations, and laboratory six hours a week. One-half of a Semester.

(g) The Chemistry of Digestion. Demonstrations, twice a week. One-fourth of a Semester.
Professor HALL.

(h) Metabolism, Animal Heat and Excretion Twice a week. One-fourth of a Semester.
Professor HALL.

(i) Physiology of the Central Nervous System. Lectures, demonstrations, and recitations. Twice a week. One-fourth of a Semester.
Professor MIX.

(j) Normal Ophthalmoscopy and Skiascopy. Laboratory work for three periods.
Dr. R. S. PATTILLO.

(k) Pharmacology. The physiological action of drugs. Laboratory work. Two periods a week. One-half of a Semester. (See V. b.)
Professor MILLER.

THIRD AND FOURTH YEARS.

(l) and (m) Medical Anthropometry. Special Problems.
Professor HALL.

V. DEPARTMENT OF PHARMACOLOGY.

This department has a complete laboratory equipment, furnishing every aid toward the acquirement of a systematic knowledge of medicines, including: (1) natural and laboratory products; (2) their actual manufacture; (3) the demonstration by modern scientific methods and apparatus of their physiological actions on the lower animals; (4) thorough didactic instruction covering the physiological action in detail of the more important remedies on the various systems of the human body; and (5) carefully recognized therapeutic indications governing their employment in disease.

The laboratory cabinets contain all drugs and chemicals with their preparations.

SECOND YEAR.

(a) Pharmacognosy and Pharmacy (operative). Laboratory work. Four hours a week. One Semester. Professor MILLER.

(a, a) Summer Course. Two two-hour laboratory periods a week. Equivalent to (a).

(b) Pharmacology. Experimental. Laboratory work four hours a week. One-half of a Semester. Professor MILLER.

(c) Pharmacology. Recitations. Twice a week. One Semester. Professor MILLER.

(d) Pharmacy. Dispensing. Forty-eight hours of service in Pharmacy at The South Side Dispensary, under the supervision of Professor MILLER and Mr. THATCHER.

THIRD AND FOURTH YEARS.

(e) Research work on Physiological Action of Drugs. (Elective.)

VI. DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

During the past year a complete reorganization of the departments of Pathology, Clinical Pathology, Bacteriology, Etiology, and Hygiene has been effected. Four spacious and well lighted laboratories, occupying the whole second

floor of the main College building, have been newly furnished with all conveniences and equipped in a most liberal manner with new microscopes, microtomes, and all modern apparatus and appliances for general class-work as well as for individual research. On the third floor of the main College building a number of small rooms have been set apart in which physicians or advanced students will find excellent facilities for research work.

The Pathological Museum of the School is on the first floor, and contains a very complete and excellent collection of pathological specimens, preserved in natural colors, for instruction and practical exercises in Pathological Anatomy. The department is supplied with a valuable reference library.

A new Bausch and Lomb electric lantern for direct projection by the microscope of histopathological slides has been added to the armamentarium of the department.

SECOND YEAR.

(a) Bacteriology. Lectures and demonstrations. Two hours a week. First Semester.
Professor ZEIT.

(b) Bacteriology. Laboratory work. Three three-hour periods a week. First Semester.
Professor ZEIT and Dr. BASSETT.

(b, b) Summer Course. Three times a week. Equivalent to (a) and (b).
Professor ZEIT and Dr. BASSETT.

(c) General Pathology. Laboratory work. Three two-hour periods a week. Second Semester.
Professor ZEIT and Dr. GOLDSMITH.

(c, c) Summer course, daily. Equivalent to (c).
Professor ZEIT and assistants.

(d) Recitations on principles of General Pathology. Two hours a week. The recitations cover the subjects studied in the laboratory. Second Semester.
Dr. BAXTER.

(e) Etiology. Two lectures a week during February.
Professor ZEIT.

(f) Hygiene. Recitation course of two hours a week for three months (March, April, and May). Two lectures a week.
Dr. DYCHE.

THIRD YEAR.

(g) Special Pathology. Practical exercises in diagnosis of morbid anatomy and histology of special organs. Two hours a week, throughout the year.
Professor ZEIT and assistants.

(h) Clinical Pathology. Daily conferences and laboratory work.
Professor ZEIT and Dr. KOEHLER.

(h, h) Summer course. Daily. Equivalent to (h).
Professor ZEIT and Dr. BASSETT.

In the clinical laboratory the vast material from various hospitals, the college clinics, and the dispensary clinics is examined and the findings reported to the department sending specimens or patients.

The student is made to apply his resources and knowledge gained in the physiological, chemical, pathological, and bacteriological laboratories to actual cases such as the various college and dispensary clinics may furnish.

The laboratory work includes the following subjects:

I. CLINICAL BACTERIOLOGY.
II. HAEMATOLOGY,
III. DIAGNOSIS OF TUMORS AND CURRETTEMENTS.
IV. URINE ANALYSIS.
V. EXAMINATION OF STOMACH CONTENTS AND FAECES.
VI. POST-MORTEM TECHNIQUE.
VII. PATHOLOGICAL LABORATORY TECHNIQUE.

SECOND, THIRD, AND FOURTH YEARS.

(i) Public autopsies with practical instruction in technique and diagnosis in the large amphitheater of the main building, as may be announced from time to time. Students of the third and fourth years are excused from conflicting college duties.
Professor ZEIT and assistants.

(k) Special advanced work in Pathology. (Elective.)

(l) Special advanced work in Bacteriology. (Elective.)

(m) Advanced work in Clinical Pathology. (Elective.)

VII. DEPARTMENT OF PHYSICAL DIAGNOSIS.

The work of this department comprises didactic lectures, practice in physical examinations of the normal body, physical diagnosis clinics, and special elective work in which students read and discuss theses on assigned cases which have been under observation for at least four weeks.

FIRST YEAR.

(a) Physical Examination of the Normal body. Laboratory work. Eight periods. Second Semester.
Dr. CHESTER, Dr. ELLIOTT, Dr. CAMPBELL, and Dr. GOLDSMITH.

(a, a) Summer course. Equivalent to (a).
Dr. ELLIOTT.

SECOND YEAR.

(b) Theory and Practice of Physical Diagnosis. Lectures. Twice a week.
Professor MIX.

(b, b) Summer course. Equivalent to (b).
Dr. ELLIOTT.

(c) Physical Diagnosis Clinic.
Professor MIX.
Cases chosen from the large Dispensary Clinics are brought before the class, and are presented with especial reference to diagnosis. Each student is expected to keep a record of such cases, to group and co-ordinate all cases of the same class, and to present his notes with a thesis on some one group of cases.

VIII. DEPARTMENT OF OBSTETRICS.

The teaching in this department is clinical, didactic, by demonstrations, by individual exercises on the manikin, and by recitations and conferences in large and small classes.

Obstetric cases of Mercy, Provident, and Wesley Hospitals are used for teaching. The senior students are eligible to service in the Chicago Lying-in Hospital and Dispensary. Each student sees and personally conducts six to ten labors in the homes of the patients, and in the hospitals under the guidance of the assistant physicians. The pathological material is abundant.

THIRD YEAR.

(a) The Physiology of Pregnancy, Labor, and the Puerperium. Two recitations a week through the year.
Professor REED and Dr. MONASH.

FOURTH YEAR.

(b) The Pathology of Pregnancy, Labor, and the Puerperium. Two lecture recitations a week through the year.
Professor DE LEE.

(c) Individual Practice on the Manikin. Sixteen exercises for each group of six students.
Dr. STOWE, and Dr. ROEHLER.

(d) Students of both the third and fourth years attend obstetric demonstrations and labors conducted by Professor DE LEE and assistants in the amphitheater of Wesley Hospital. Attendance on six labors is necessary for graduation.

IX. DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY.

The clinical material in this class of diseases is exceedingly abundant and opportunity is given to every student to examine each case personally. The most instructive cases are carefully selected for the general weekly clinic, when they are demonstrated and exhaustively discussed.

Especial attention is paid to the differential diagnosis, histopathology, and treatment of the more common dermatoses usually met with by the general practitioner.

THIRD YEAR.

(a) Dermatology, Syphilology, and Gonorrhœa. Recitations and demonstrations. Once a week through the year.
Professor PARDEE.

(b) Dispensary clinic daily for four weeks.
Professor PARDEE.

(b, b) Summer course. Equivalent to (c).

FOURTH YEAR.

(c) Clinical lectures. One period a week.
Professor ZEISLER.

X. DEPARTMENT OF LARYNGOLOGY AND RHINOLOGY.

This department is furnished with specially constructed individual stalls and electric lights for the training of divided classes of students in the technique of examination and treatment of the nose and throat, following the method of arrangement in vogue at Vienna. A dark-room, for translumination tests, and a dressing-room are attached.

Preparation for work in this department is afforded by the work in the Physiological Department on the larynx, in which a careful dissection of this organ is made as is also a study of its cartilages, muscles, and mucous membrane.

THIRD YEAR.

(a) Laryngology and Rhinology. Lecture one hour a week. One Semester.
Professor CASSELBERRY.

(b) Clinical Lecture. One hour a week throughout the year.
Professors CASSELBERRY and MENGE.

(c) Dispensary Clinics, individual instruction in technique, six periods a week for four weeks.
Professor CASSELBERRY, and Professor MENGE, assisted by Dr. BURR, Dr. DENNIS, Dr. YOUNGER, Dr. RANSMEIER, Dr. BRACKEN, and Dr. MACLAY.

(c, c) Summer course. Equivalent to (c).

XI. DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY.

The space allotted to this department has recently been very much enlarged and now includes a commodious waiting room, two large clinic rooms, and dark rooms; these with cases well stocked with instruments and appliances afford ample equipment. The abundant material of the Dispensary enables the teaching staff to demonstrate practically the whole field of clinical eye and ear practice.

Preparation for the special work of this department is provided by the courses which the second-year students receive in the gross and minute Anatomy, and the Physiology of the Eye and Ear.

SECOND YEAR.

(a) Normal Ophthalmoscopy and Skiascopy. One laboratory period a week. One-fourth of a Semester.
Dr. PATTILLO.

THIRD YEAR.

(b) Clinical Lectures and Demonstrations. St. Luke's Hospital. One period a week.
Professor ALLPORT and Dr. WOOD.

FOURTH YEAR.

(c) Ophthalmology and Otology. The pathology, therapy, surgery, and hygiene of the eye and ear. One lecture a week.
Professor GRADLE.

(d) Clinical Lecture at the College. Once a week.
Professor GRADLE.

(e) Clinical Lecture to sections of the class at Mercy Hospital. Twice a week.
Professor STARKEY and Professor MANN.

(f) Dispensary Clinics, in which small classes of students receive individual instruction in examination, diagnosis, and treatment of cases. Six periods a week for four weeks.
Professor MANN, Dr. SALINGER, Dr. PATTILLO, Dr. HORWITZ, Dr. LEENHEER, Dr. WRIGHT, and Dr. PETERSON.

(f, f) Summer course. Equivalent to (f).

XII. DEPARTMENT OF GYNECOLOGY.

Instruction in this department comprises recitations, dispensary clinics, conferences, and surgical clinics. The clinics are given in Wesley Hospital, Mercy Hospital, St. Luke's Hospital, and to divided classes in the Dispensary. All students are required to make themselves proficient in general gynecological diagnosis and treatment, and with this object in view, are brought into close personal relation with a large number and variety of cases in the Dispensary. Not less than an average of three operative clinics a week are given in different hospitals in the immediate vicinity of the College. These clinics afford the student abundant opportunity to familiarize himself with all the major and minor

operations of gynecology. Not only a theoretical appreciation, but a practical working knowledge of gynecology is a prerequisite for graduation.

THIRD YEAR.

(a) Operative Clinics and Lectures at St. Luke's Hospital. One two-hour period a week.
Professors DUDLEY and FRANKENTHAL.

FOURTH YEAR.

(b) General Gynecology. Recitations. Twice a week, from October to April.
Dr. GILLMORE, Dr. SAUER, and Dr. HEALY.

(c) Operative Clinics and Lectures at Wesley Hospital. One two-hour period a week throughout the year.
Professor WATKINS.

(d) Operative Clinics and Lectures at Mercy Hospital. Once a week throughout the year.
Professor F. T. ANDREWS.

(e) Dispensary Clinics. Daily to divided classes. Every fourth-year student is required to attend for four weeks.
Professors WATKINS and F. T. ANDREWS, Dr. GILLMORE, Dr. SAUER, Dr. HEALY, and Dr. BARNES.

(e, e) Summer course. Equivalent to Course (e).

(f) Gynecological Clinics to sections of the senior class. Once a week. Wesley Hospital.
Professor WATKINS.

XIII. DEPARTMENT OF NEUROLOGY.

The teaching in this department is done by lectures, recitations, and clinics in the College and Dispensary, and by clinics in the hospitals.

FOURTH YEAR.

(a) Diseases of the Nervous System. One lecture a week. One Semester.
Professor CHURCH.

(b) Clinical Lecture. Once a week. First Semester.
Professor PATRICK.

(c) Clinical Lecture, with especial reference to hospital cases. Once a week. Second Semester.
Professor CHURCH.

(d) Recitations. Text-book and reviews of clinical and didactic lectures. One hour a week. One Semester. Dr. HECHT.

(e) Dispensary Clinics. Six periods a week for four weeks.
Professor PATRICK, Dr. GRINKER, Dr. SHOCKLEY, Dr. SPRAGUE, Dr. WHITMAN, and Dr. W. E. BRENNEMAN.

(e, e) Summer course. Equivalent to Course (e).

(f) A weekly ward visit at Wesley Hospital.
Dr. HECHT.

THIRD YEAR.

(g) Nervous Diseases. Recitations. Once a week.
Dr. HECHT.

SUB-DEPARTMENT OF MENTAL DISEASES AND MEDICAL JURISPRUDENCE.

(a) Mental Diseases. One lecture a week. One-half of a Semester.
Professor CHURCH.

(b) Medical Jurisprudence. One lecture a week. One-half of a Semester.
Professor CHURCH.

(c) Recitations. Reviews of clinical and didactic lectures. Once a week. One Semester.
Dr. HECHT.

XIV. DEPARTMENT OF PEDIATRICS.

It is the plan of this department to make its instruction chiefly clinical and personal.

THIRD YEAR.

(a) Recitations. One period a week. One Semester.
Professor WALLS.

(b) Dispensary. Children's Clinic. Six periods a week for four weeks.
Professor WALLS, Professor HILL, Dr. MCGONAGLE, Dr. J. BRENNEMANN, and Dr. SNOW.

(b, b) Summer course. Equivalent to Course (b).

(c) Clinical Lecture. One period a week.
Professor WALLS.

The most interesting of the patients attending the dispensary clinics are reserved for the weekly college clinic. This course is required of juniors and is open to all seniors.

XV. DEPARTMENT OF SURGERY.

The course offered in Surgery is systematically graded beginning in the first year with a course by Dr. Allen B. Kanavel assisted by Dr. James G. Ross, in the application upon plaster models and cadavers, of roller bandages, casts, splints, extensions, etc. The last half of this course is devoted to a study of surface landmarks.

Junior students are given the privilege of attending at St. Luke's Hospital the surgical clinics of Professor Owens and his associates, at Mercy Hospital the surgical clinics given by Professor Murphy, and at Wesley Hospital the clinics given by Professors Schroeder and Plummer.

Sections of the senior class attend the surgical clinics at Provident Hospital given by Professor Schroeder; and those given at Mercy Hospital by Professors Andrews and Morgan. The whole class attends Professor Van Hook's clinics at Wesley Hospital, also the clinics at Mercy Hospital.

FIRST YEAR.

Preliminary Surgery. Surface Landmarks and Bandaging. Once a week. First Semester.
Dr. KANAVEL, and Dr. ROSS.

SECOND YEAR.

(a) Recitations on Surgery. Three times a week during March, April, and May.
Dr. BESLEY and Dr. RICHTER.

THIRD YEAR.

(b) Dispensary Clinics in General Surgery. Individual instruction in divided classes. Six times a week for four weeks.
Dr. RICHTER, Dr. MATTER, Dr. KANAVEL, Dr. CUBBINS.
Dispensary Clinics in Genito-Urinary Surgery. Individual instruction in divided classes. Six times a week for four weeks.
Professor SCHMIDT, Dr. COLLORAN, Dr. PECH, Dr. BRUMMUND, and Dr. KLEOTGEN.

(b, b) Summer course. Equivalent to Course (b).

(c) Operative Surgery on Cadaver. Laboratory. Three periods a week for four weeks. First Semester.
Professor PLUMMER.

c, c) Summer course. Equivalent to Course (c).

(d) Experimental Operative Surgery upon Dogs. Three periods a week for four weeks. Second Semester.
Dr. RICHTER and Dr. KANAVEL.

(e) Lectures and Recitations on Surgery. Twice a week.
Professors PLUMMER and SCHROEDER.

(f) Clinical Lectures in Wesley Hospital Amphitheater. One two-hour period a week.
Professors PLUMMER and SCHROEDER.

(g) Clinical Lecture in Mercy Hospital Amphitheater. Two two-hour periods a week.
Professor MURPHY, assisted by Dr. NEFF.

(h) Clinical Lecture at St. Luke's Hospital. Once a week.
Professor OWENS, Dr. ALLPORT, and Dr. MCARTHUR.

FOURTH YEAR.

(i) Clinical Lecture on General Surgery. Twice a week.
Professor VAN HOOK.

(j) Surgical Clinic in Wesley Hospital Amphitheater. One three-hour period a week.
Professor VAN HOOK, Dr. RICHTER, Dr. BESLEY, Dr. MORF, Dr. MATTER, Dr. KANAVEL, and Dr. PITKIN.

(k) Clinical Lecture in Mercy Hospital Amphitheater. Two two-hour periods a week.
Professor MURPHY, assisted by Dr. NEFF.

(l) Clinical Lecture in Mercy Hospital Amphitheater. Once a week.
Professor E. W. ANDREWS and assistants.

(m) Clinical Lecture to sections of the class at Mercy Hospital. Once a week.
Professor MORGAN.

(n) Surgical Clinic to section of the class at Provident Hospital. Once a week.
Professor SCHROEDER.

(o) Weekly ward visits at Wesley, Mercy, and Provident Hospitals. Twice a week.
Professors VAN HOOK, MURPHY, ANDREWS, BUFORD, MORGAN, PLUMMER, and SCHROEDER.

(o, o) Summer course. Equivalent to Course (o).

DEPARTMENT OF ORTHOPEDIC SURGERY.

The instruction in this department is based upon the clinical material. The abundant material of the dispensary clinic furnishes a sufficient range of cases to permit a fairly complete presentation of the whole subject of Orthopedics, with the great advantage of illustrating each subject with one or more cases.

THIRD YEAR.

(a) Recitation or Clinical Lecture in Orthopedics. Once a week.
Professor RIDLON.

(b) Dispensary Orthopedic Clinics before small classes. Three times a week for four weeks.
Dr. JACOBS and Dr. BRISLEN.

(b, b) Summer course. Equivalent to Course (b).

(c) Hospital Clinics and Operative Clinics at St. Luke's Hospital and Wesley Hospital as the material allows.
Professor RIDLON.

(d) Selected students may receive personal training at the Home for Destitute Crippled Children in operative technique, ordering and adjustment of braces, application of plaster of paris dressings, and in the selections of materials and details of manufacture of orthopedic appliances. (Elective.)
Professor RIDLON.

XVI. DEPARTMENT OF MEDICINE.

Instruction in medicine is begun in the first year by a thorough course in the technique of Physical Diagnosis, beginning with laboratory work upon the normal subject and illustrated by typical cases from the clinics.

The extensive second year course in Physical and Clinical Diagnosis, illustrated by the large college clinic, lays a broad foundation for the medical courses which are to follow.

An important feature in the medical instruction in the junior year is the work in the medical department of the

South Side Dispensary. Small sections of eight or ten students are assigned to a service of five weeks. During this service each student has an opportunity to receive personal instruction in the application of his previous year's work in physical diagnosis, in the methods of differential diagnosis, in symptomatology, in therapeutics, and in prescription writing. This personal contact with patients and individual opportunity to put into practice the didactic and clinical instruction of the various departments, has always been a leading feature in this institution.

The medical teaching of the senior year is chiefly clinical. The study of medicines and their mode of action is begun before clinical teaching is taken up, as those subjects must be understood before prescriptions for the sick can be comprehended. For the same reason general pathology is taken in the second year, and in the third, special pathology is taken up while the recitation course in medicine is being pursued.

The object is to introduce first the most fundamental subjects which are tributary to medicine, and finish the course with as many practical clinical demonstrations as possible.

FIRST YEAR.

Physical Examinations of the Normal body.
Laboratory work. Eight periods. Second Semester.
Pathological conditions, illustrated by clinical cases.
[See Department VII, Course (a).]
Dr. CHESTER, Dr. ELLIOTT, Dr. CAMPBELL, and Dr. GOLDSMITH.

SECOND YEAR.

(a) Theory and Practice of Physical Diagnosis. Lectures twice a week. [See Department VII, Course (b).]
Professor MIX.

(b) Physical Diagnosis Clinic. Once a week. [See Department VII, Course (c).]
Professor MIX.

(c) Recitations from Text-books. Two hours a week. Three-quarters of a Semester.
Professors PREBLE and MIX.

THIRD YEAR.

(d) Dispensary Clinic to small classes. Four weeks.
Dr. Fowler, Dr. Chester, Dr. Mowry, Dr. Gibson, Dr. Elliott, Dr. Davis, Dr. Butt, Dr. Campbell, Dr. Baxter, Dr. Damm, Dr. Fox, and Dr. Goldsmith.

(d, d) Summer course. Equivalent to Course (d).

(e) Text-book. Four hours a week. First Semester.
Professor Preble, Dr. Harpole, Dr. Kerr, and Dr. A. Davis.

(f) Clinical Lectures at the College. Once a week.
Professor Preble.

(g) Clinical Lectures at St. Luke's Hospital. Once a week.
Professor Favill and Professor Walls.

FOURTH YEAR.

(h) Lectures on Diseases of the Lungs, Heart, Aorta, and Kidneys. One hour a week.
Professor Davis.

(i) Lectures on Infectious Diseases, and Chronic General Diseases. One hour a week.
Professor Edwards.

(j) Clinical Lectures at Mercy Hospital. Once a week, first Semester; twice a week, second Semester.
Professor Davis.
Once a week, first Semester.
Professor Webster.

(k) Clinical Lectures at the College. Once a week.
Professor Edwards.

(l) Clinical Lectures at Wesley Hospital.
Once a week, first Semester.
Professor Davis.
Once a week, second Semester.
Professor Webster.
Once a week throughout year.
Professor Preble.

(m) Weekly visits to the wards of Wesley, Mercy, and St. Luke's hospitals under the guidance of Professors Davis, Edwards, Webster, Walls, Preble, and Mix, Dr. Dyche, Dr. Harpole, Dr. Chester, and Dr. Elliott.

(m, m) Summer course. Equivalent to Course (m).

TEXT-BOOKS AND REFERENCE BOOKS FOR 1903-1904.

(The names of Text-Books used are printed in Italics.)

Dictionaries: *Gould,* Century, American Illustrated Medical.

Anatomy: *Cunningham,* Gray, Morris, Quain, Gerrish, Joessel, Edinger on Brain and Spinal Cord, Spalteholtz, Howell on Dissection of the Dog, *Whitehead,* Treves' Applied Anatomy, Holden's Osteology, Hayne's Manual of Anatomy, Eisendrath, Woolsey.

Histology: *Stöhr,* Quain, Bohm, Davidoff, Huber, Quain, Piersol, Schaefer.

Embryology: Heisler, Hertwig, Quain, Marshall, Minot.

Physiology: *Hall's Text-Book of Physiology,* American Text-Book of Physiology.

Chemistry: *Long's General Chemistry, Long's Analytical Chemistry, Long's Urine Analysis and Notes, Remsen's Organic Chemistry, Physiologic and Pathologic Chemistry by Bunge.*

Materia Medica: *White and Wilcox, Sollman,* Wood, Hare, American Text-Book of Applied Therapeutics.

Pathology: *American Text-Book of Pathology, Delafield and Prudden, Mallory and Wright Pathological Technique,* Zeigler's General and Special Pathology, Thoma, Stengel.

Clinical Pathology: *Cabot on Examination of the Blood,* Mallory and Wright Pathological Technique.

Operative Surgery: *Bickham,* Allingham, Stimson, Zuckerkandl, McGrath Surgical Anatomy and Operative Surgery.

Nervous Diseases: *Church and Peterson,* Dana, Gowers, Dercum, Gray, Mills.

Medical Jurisprudence: *Reese,* Taylor.

Practice of Medicine: *Osler,* Strumpell, Tyson, Twentieth Century, Allbutt, Loomis and Thompson, *Davis' Heart, Lungs, and Kidneys.*

Surgery: *International Text-Book of Surgery,* Tillmanns, Dennis, Da Costa, American Text-Book of Surgery, Park.

Obstetrics: *De Lee's Notes,* Hirst, Williams, Jewett, American Text-Book of Obstetrics, Lusk, Parvin.

Physical Diagnosis: *Vierordt, Da Costa,* Webster's Notes, Musser, Hare, Simon, Butler.

Diseases of Children: *Holt,* Hatfield, American Text-Book of Children.

Diseases of the Eye: *Fuchs,* De Schweinitz, May, American Text-Book of Eye, Ear, Nose, and Throat.

Diseases of the Ear: *Gradle, Diseases of the Nose, Pharynx and Ear,* Bacon, Politzer, American Text-Book of the Eye, Ear, Nose and Throat.

Gynecology: *Dudley,* Byford, Webster, Kelly, Emmet, Montgomery, Reed.

Laryngology: *Wright,* Kyle, Bosworth, McBride, American Text-Book of Eye, Ear, Nose, Throat.

Dermatology: *Stelwagon, Morris,* Crocker, Walker, American Text-Book of Skin and Venereal Diseases.

Etiology and Hygiene: *Bergey,* Rohe, Abbott, Egbert.

Bacteriology: *McFarland,* Muir and Ritchie, Abbott, Crookshank, Sternberg.

Orthopedic Surgery: *Ridlon and Jones,* Bradford and Lovett, Whitman.

Syphilis and Venereal Diseases: *Schmidt,* Taylor, Keyes, American Text-Book of Skin and Venereal Diseases.

REQUIREMENTS FOR GRADUATION.

To obtain the degree of Doctor of Medicine, a candidate must fulfill the following requirements:

1. He must have satisfactorily completed four full annual courses of lectures of eight months each, including all the topics listed as required subjects on pages 190 and 191.

2. He must be at least twenty-one years of age.

3. He must be of good moral character and must have maintained an irreproachable moral standing while at the school.

4. He must have dissected the median half of the human body.

5. He must have been in attendance upon clinics for three years.

6. He must have secured satisfactory standing in all final examinations.

7. He must have completed payment in full of all fees.

FINAL EXAMINATIONS.

Final examinations are held in required courses at the end of each semester.

Examinations for those who need a second examination are given in October and in February.

Students defective in two or more branches after the October examinations must take those branches a second time, and may elect no studies that conflict with them. Such students will be classed as irregulars.

HONORS.

To a few students deemed by the Faculty worthy, because of their uniformly good standing, honors will be granted and they may be graduated *Cum Laude* or *Magna Cum Laude.*

To students who have uniformly good standing in required subjects and who do special work of an excellent character in any department, special honors will be granted.

SCHOLARSHIPS.

The Faculty has established ten scholarships which are awarded annually to those students who can demonstrate that they have the best preparation for the study of medicine. All applications must be made not later than August 15th in each year. Letters of recommendation, certificates of college work done, etc., must accompany the applications. The awards will be made on or before September 1st.

THE ALUMNI LIBRARY.

The Alumni Library of nearly three thousand bound volumes, besides several thousand unbound journals and pamphlets, is situated on the fourth floor of Davis Hall. The library is open from 9 to 5 o'clock daily.

The net profits on the sale of all college text-books at the library are devoted to its increase and care.

The alumni committee in charge of the library includes Professors Webster, Hall, and Edwards, with one member of the class graduating the preceding year. An advisory committee of one student from each class assists the alumni committee in the administration of the library. This method of administration makes the library a co-operative institution, controlled by students and alumni, and not by the University.

Each department of instruction is well represented in the library. There is a large number of reference books and dictionaries.

All of the larger systems of Medicine and Surgery are at the command of the student, and the important recent works in all departments are added to the library as soon as they appear.

GYMNASIUM.

A room on the fourth floor of Davis Hall has been set apart for a Gymnasium, and is equipped for most of the lighter floor work and for hand-ball. The hand-ball court is especially popular, and is in almost constant use. The brisk gymnasium exercise, followed by a shower-bath, has had a marked effect upon the health and good spirits of the student community. Besides hand-ball and regular classes in various exercises there have been organized classes in fencing.

THE HOSPITAL QUIZ CLASS.

Experience has shown that students who have made a careful review of the branches of the medical course are more successful in the competitive hospital examinations than are students who have not had such a review.

The Hospital Quiz Class is under Faculty supervision and is so arranged that the students get a thorough review during the last twelve or eighteen months before the examinations without sacrificing any of their required senior work.

Only the best one-fourth of the graduating class are eligible to the quiz class. Since 1900 every member of the quiz class has secured a good hospital appointment. The list of such appointments made from graduates during the year 1903 may be found on page 395.

THE SUMMER SCHOOL.

There is an increasing demand for summer work on the part of students in medicine from institutions whose clinical facilities are not so good as those enjoyed in Chicago, and on the part of those students of Northwestern University Medical School who are making special preparation for the competitive hospital examinations which occur at the end of the medical course, or of those who have entered from other medical colleges and have work to make up.

The courses of the summer school are well adapted to the needs of practitioners, there being extended opportunity for practice in the newer and more scientific methods of clinical diagnosis and pathology, as well as for experimental work in physiology, therapeutics, and surgery. The small number of students makes the clinical opportunity especially good.

The highest quality of work is insisted upon and full credit is given for the summer courses in so far as they cover the ground of the regular course of the college year.

The courses begin June 6th and extend to August 1st, thus covering the period of one-half of a semester.

Those wishing to do summer work must register with the Clerk at the College for such courses as they desire.

Courses will not be given unless a sufficient number of students register for them.

The courses of the summer school will be found listed under the several departments.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

The Association of Northwestern University Medical School was organized in 1892. It aims to aid in the development of the highest moral and religious character in young men. It is connected with the Intercollegiate Department of the Chicago Association. By this arrangement members can obtain full privileges, at sixty per cent of the regular rates, at any of the Association buildings in this city. These privileges include gymnasia, baths, natatoria, restaurants, barber shops, bicycle storage, receptions, clubs of various kinds, libraries, evening instruction in Latin, German, mathematics, etc., courses of lectures and other entertainments.

Religious meetings are held once a week during the college year and classes in Bible-study, with weekly meetings, are maintained. Committees of the Association will cheerfully aid students in obtaining board and rooms, or employment.

EXPENSES.

Matriculation Fee.—A student is required to pay at the time of his first registration a matriculation fee of five dollars. This fee is paid but once, and is charged all students alike.

Annual Fee.—A fee of one hundred and sixty-five dollars must be paid annually by all students.

The annual fee may be paid in installments as follows: Before October 5th, $60.00; before January 5th, $60.00; before April 5th, $45.00. A *discount* of $15.00 is made when all fees and deposits are paid before October 4th.

Practitioners who are making brief visits to the city are always welcome to attend lectures and clinics. Those wishing to attend single lecture or laboratory courses through the year will be charged from fifteen to twenty-five dollars for each course. Those wishing to take all of the work of any one year will pay the same fee as regular students.

Optional Courses.—A fee is charged for certain optional courses to cover cost of material used.

Deposits.—Deposit fees of ten dollars are required as a precaution against breakage or injury to apparatus in the laboratories and unnecessary damage to buildings or loss of instruments in laboratories and clinics. These fees are refunded in case no injury or loss occurs. Deductions from them will be made to cover breakage in laboratories and any unnecessary injury to the buildings or property of the college. Such deductions will be made from the deposit of individual students, when it can be determined who has caused breakage or loss of apparatus or defacement of buildings. When it cannot be determined who has caused such loss or injury to college property, the value of the loss or injury will be deducted *pro rata* from the deposits of all students. This deposit must be made before October 4th.

Board and Lodging.—Board and lodging vary in price from three and a half to six dollars a week. Rooms for

those who desire to board and lodge themselves will cost from six to ten dollars a month. Students may form boarding clubs in which the cost of board can be reduced to two dollars a week. A list of desirable rooms and boarding-places recommended by the boarding-house committee of the Y. M. C. A. can be obtained at the Association rooms or at the College office.

Assignment of Seats.—Students may register and secure seats in the amphitheaters at the opening of the session, or by sending five dollars at an earlier date to H. P. Hendricks, Clerk of the School.

How to Reach the College.—Students who desire to go directly to the College from the trains should take the South Side Elevated Railroad and get off at Twenty-sixth Street.

HOSPITALS.

The following Hospitals are open to students in this medical school. The names of those members of the staffs of the several Hospitals who are connected with this school are marked with an asterisk.

WESLEY HOSPITAL.

THE ATTENDING STAFF.

Department of Medicine.

*Nathan Smith Davis, Jr., M.D.
*Arthur R. Edwards, M.D.
*George W. Webster, M.D.
*Robert Preble, M.D.

Department of Gynecology.

*Thomas J. Watkins, M.D.
*Emilius C. Dudley, M.D.
*Frank T. Andrews, M.D.

Department of Nose and Throat.

*Frederic Menge, M.D.
*William E. Casselberry, M.D.

Department of Orthopedic Surgery.

*John Ridlon, M.D.

Department of Nervous and Mental Diseases.

*Archibald Church, M.D.
*Hugh T. Patrick, M.D.

Department of Surgery.

*Weller Van Hook, M.D.
*William E. Schroeder, M.D.
*Samuel C. Plummer, M.D.
*John B. Murphy, M.D.

Department of Eye and Ear.

*Henry Gradle, M.D.
Frank Allport, M.D.

Department of Obstetrics.

*Joseph Bolivar De Lee, M.D.

Department of Dermatology.

*Joseph Zeisler, M.D.

Pathologist.

*Robert F. Zeit, M.D.

The most notable recent addition to the equipment of the Medical School is to be found in the operating rooms, wards, and laboratories of Wesley Hospital. Neither expense nor time has been spared to make this one of the best equipped hospitals in the world.

With its laboratories for sterilizing and preparing dressings and instruments, its amphitheaters, its clinical and pathological laboratories, drug-room and morgue; with its sunbaths and suites of private rooms, and with its commodious, light and well ventilated wards, this institution would seem to have reached the highest mark in hospital construction and equipment. The personnel of its staff

vouchsafes to the public a high ideal in medical science in the treatment of disease, and guarantees to the medical undergraduates unexcelled opportunities to observe and to participate in the most advanced medical and surgical treatment of cases.

The wards and private rooms contain together two hundred and twenty-five beds.

One of the largest and best training schools for nurses in Chicago is connected with Wesley Hospital.

The instruction given to the students in Wesley Hospital makes a very important part of their clinical course. This is consequent upon the close relation of the two institutions—the hospital standing beside the College building and connected with it by corridors.

The course of Clinics given during the year 1903-1904 is as follows:

XV. (f) Clinical Lectures in Surgery. One two-hour period week.
Professors PLUMMER and SCHROEDER.

XV. (i) (j) Clinical Lectures in Surgery. Twice a week.
Professor VAN HOOK, assisted by Dr. RICHTER, Dr. BESLEY, Dr. MORF, Dr. MATTER, and Dr. KANAVEL.

XVI. (l) Clinical Lectures in Medicine. Once a week. First Semester.
Professor DAVIS.
Clinical Lectures in Medicine. Once a week. Second Semester.
Professor WEBSTER.
Clinical Lectures in Medicine. Once a week through the year.
Professor PREBLE.

XII. (c) Clinical Lectures in Gynecology. Once a week through the year.
Professor WATKINS and assistants.

XVI. (m) Ward Visits in Medicine.
Professor PREBLE, Dr. HARPOLE, Dr. ELLIOTT, and Dr. A. DAVIS.

XV. (o) Ward visits in Surgery.
Professors VAN HOOK, PLUMMER, and SCHROEDER, Dr. RICHTER, Dr. PARKER, and Dr. KURTZ.

XIII. (f) Ward Visits in Neurology. Weekly.
Dr. HECHT, and Dr. GRINKER.

MERCY HOSPITAL.

THE ATTENDING STAFF.

Consulting Physicians.
*Nathan Smith Davis, M.D.
*John H. Hollister, M.D.

Department of Surgery.
*John B. Murphy, M.D.
*E. Wyllys Andrews, M.D.
*William E. Morgan, M.D.

Department of Orthopedic Surgery.
*John Ridlon, M.D.

Department of Medicine.
*Nathan Smith Davis, Jr., M.D.
*Arthur R. Edwards, M.D.
*George W. Webster, M.D.

Department of Neurology.
*Archibald Church, M.D.

Department of Obstetrics.
*Joseph Bolivar De Lee, M.D.

Department of Gynecology.
*Frank T. Andrews, M.D.
*Thomas J. Watkins, M.D.

Department of Eye and Ear.
*Horace M. Starkey, M.D.
William A. Mann, M.D.

Department of Dermatology.
*Joseph Zeisler, M.D.

Department of Pathology.
Frederic R. Zeit.

This hospital is at the corner of Calumet Avenue and Twenty-sixth Street, and is under the exclusive care of the Faculty of this School. It is conducted by the Sisters of Mercy, and receives a large number of patients annually, both from the city and the country. It has recently been rebuilt and enlarged so that its capacity is about four hundred beds. The operating rooms are equipped with every modern facility. The dressing and anæsthetizing rooms have been fitted up in a manner as near perfection as science and skill can make them.

Daily clinics are held in the hospital amphitheater, or at the bedside in the wards, according to the nature of the individual cases. The members of the Clinical Class are allowed to examine the cases for themselves, and thus acquire a personal familiarity with the clinical aspect of a large variety of diseases.

In classes of two or three, students of the senior year are allowed to watch the progress of obstetrical cases under the direction of the House Physicians. Each member of the graduating class may serve as Surgical Dresser in Mercy Hospital, and receive a certificate for efficient and faithful services.

A laboratory has been equipped for Clinical Bacteriology and microscopical work, which will be utilized for teaching purposes as well as for clinical examinations. The fee for the annual Mercy Hospital ticket is six dollars.

The training school for nurses is one of the best in America, requiring a high school diploma for admission, and three years of twelve months each devoted to the theory and practice of trained nursing in every phase of the subject.

To students of the fourth year of the Northwestern University Medical School the following program of courses is provided:

XVI. (j) Clinical Lecture in Medicine in the new amphitheater. Once a week, first Semester; twice a week, second Semester.
Professor DAVIS.

XV. (k) Clinical Lecture in Surgery. Twice a week in the new operating amphitheater to both third and fourth year classes.
Professor MURPHY.

XV. (l) Clinical Lecture in Surgery. Once a week.
Professor E. W. ANDREWS.

XVI. (j) Clinical Lecture in Medicine. Once a week, first Semester.
Professor WEBSTER.

XII. (d) Clinical Lecture in Gynecology. Once a week.
Professor F. T. ANDREWS.

XI. (e) Clinical Lectures in Ophthalmology and Otology to sections of the class. Twice a week.
Professor STARKEY and Professor MANN.

XV. (m) Clinical Lecture in Surgery to sections of the class. Once a week.
Professor MORGAN.

XVI. (m) Ward Visits in Medicine. Three times a week.
Professors DAVIS, EDWARDS, and WEBSTER, Dr. DYCHE and Dr. CHESTER.

XV. (o) Ward Visits in Surgery. Twice a week.
Professors MURPHY, ANDREWS, MORGAN, and Dr. BUFORD.

ST. LUKE'S HOSPITAL.

THE ATTENDING STAFF.

President, John E. Owens, M.D.
Vice-President, Frank Billings, M.D.
Secretary, Junius C. Hoag, M.D.

Attending Surgeons.

*John E. Owens, M.D.
Lewis L. McArthur, M.D.
W. H. Allport, M.D.
A. E. Halsted, M.D.

Attending Gynecologists.

*E. C. Dudley, M.D.
*T. J. Watkins, M.D.
*L. E. Frankenthal, M.D.
*Wm. Cuthbertson, M.D.

Attending Oculists and Aurists.

*Frank Allport, M.D.
Casey Wood, M.D.
Thomas A. Woodruff, M.D.

Attending Orthopedic Surgeons.

A. B. Hosmer, M.D.
Frederick Mueller, M.D.

Attending Neurologists.

*Archibald Church, M.D.
Sanger Brown, M.D.

Attending Physicians.

Frank Billings, M.D.
Henry B. Favill, M.D.
*Francis X. Walls, M.D.
*Robert B. Preble, M.D.

Attending Obstetricians.

Frank Carey, M.D.
Junius C. Hoag, M.D.

Attending Oral Surgeons.

Thomas L. Gilmer, M.D.

Pathologist.

*F. Robert Zeit, M.D.
Alfred C. Croftan, M.D.

Attending Laryngologists and Rhinologists.

*William E. Casselberry, M.D.
T. Melville Hardie, M.D.
Norval H. Pierce, M.D.

Dermatologist and Padiotherapist.

W. A. Pussey, M.D.

This hospital is situated on Indiana Avenue, near Fourteenth Street. Owing to its central situation, it receives a large number of accident cases, and its surgical clinic is consequently an extensive one. Clinics are given regularly in Medicine, Nervous Diseases, Surgery, Gynecology, and Diseases of the Eye and Ear. The autopsies, held by the Pathologists in the amphitheater of the hospital morgue constitute an important part of the clinical instruction.

The St. Luke's Training School for Nurses is one of the oldest and best in the West. Its students, now numbering fifty, must be thoroughly equipped, and they spend three years in theoretical and practical training.

The clinics and autopsies of St. Luke's Hospital are attended principally by the third-year students. The annual fee is five dollars. The following courses are given at this hospital:

XVI. (g) Clinical Lectures in Medicine. Once a week. Professors FAVILL and WALLS.

XV. (h) Clinical Lectures in Surgery. Once a week. Professors OWENS, ALLPORT, and MCARTHUR.

XI. (b) Clinical Lectures in Ophthalmology. Once a week. Dr. ALLPORT and Dr. WOOD.

XII. (a) Clinical Lectures in Gynecology. Once a week. Professors DUDLEY and FRANKENTHAL.

XVI. (m) Ward Visits in Medicine. Once a week. Professor WALLS.

PROVIDENT HOSPITAL.

THE ATTENDING STAFF.

Department of Surgery.

Daniel H. Williams, M.D.
*William E. Schroeder, M.D.
A. A. Wesley, M.D.
J. Charles Hepburn, M.D.

Department of Gynecology.

G. C. Hall, M.D.
Eugene O. Christoph, M.D.
Frank M. Clement, M.D.
*James W. White, M.D.

Department of Dermatology.

Samuel L. Weber, M.D.

Department of Eye and Ear.

*William A. Mann, M.D.
Clark W. Hawley, M.D.

Department of Nose and Throat.

J. Frank McKinley, M.D.

Department of Pathology.

Joseph L. Miller, M.D.
Frank H. Brandt, M.D.

Department of Medicine.

A. H. Burr, M.D.
A. W. Williams, M.D.
Edward S. Stewart, M.D.
Robert H. Harvey, M.D.

Department of Obstetrics.

*Joseph B. De Lee, M.D.

Department of Pediatrics.

Edward S. Miller, M.D.
A. Beatrice Schultz, M.D.
Andrew L. Smith, M.D.

Department of Oral Surgery.

C. E. Bentley, M.D.
C. P. Pruyn, M.D.

This hospital, located at the corner of Thirty-Sixth and Dearborn Streets, has been recently much enlarged. Besides its 100 beds, which can accommodate 800 to 1,000 patients annually, there is a large dispensary in which about 6,000 ambulatory patients receive treatment each year.

A large and well conducted training school for nurses has charge not only of the hospital and dispensary patients, but supplies nurses to a large number of families in their "out-service."

The students of the Northwestern University Medical School have an opportunity to attend clinics by the Medical Staff and operations by the Surgical Staff; and are assigned in small classes to ward visits in Surgery and Gynecology.

XV. (n) Surgical Clinic to sections of the senior class. Once a week.
Professor SCHROEDER.

THE SOUTH SIDE DISPENSARY.

THE DISPENSARY STAFF.

Chief of Dispensary Staff, - - Frank X. Walls, M.D.

Medical Department.

Professor A. R. Edwards.
Professor R. B. Preble.
Professor C. L. Mix.
Dr. E. B. Fowler.
Dr. P. Chester.
Dr. J. G. Campbell.
Dr. A. E. Mowry.
Dr. E. F. Damm.
Dr. H. K. Gibson.
Dr. C. A. Elliott.
Dr. A. Davis.
Dr. A. B. Butt.
Dr. G. E. Baxter.
Dr. C. M. Fox.
Dr. A. A. Goldsmith.

Surgical Department.

Professor W. Van Hook.
Dr. H. M. Richter.
Dr. F. A. Besley.
Dr. W. R. Cubbins.
Dr. P. F. Morf.
Dr. C. M. Matter.
Dr. A. B. Kanavel.

Neurological Department.

Professor A. Church.
Professor H. T. Patrick.
Dr. J. P. Sprague.
Dr. R. C. Whitman.
Dr. J. Grinker.
Dr. D'Orsay Hecht.
Dr. G. C. Shockey.
Dr. Wm. A. Brenneman.

Orthopedic Surgical Department.

Professor John Ridlon.
Dr. A. J. Brislen.
Dr. J. M. Jacobs.

Department of Ophthalmology and Otology.

Professor Henry Gradle.
Professor W. A. Mann.
Dr. A. P. Horwitz.
Dr. W. A. Peterson.
Dr. R. S. Pattillo.
Dr. D. Salinger.
Dr. S. E. Wright.
Dr. C. A. Leenheer.

Gynecological Department.

Professor E. C. Dudley.
Professor T. J. Watkins.
Professor F. T. Andrews.
Dr. W. S. Barnes.
Dr. H. E. Sauer.
Dr. R. T. Gillmore.
Dr. Wm. Healy.

Department of Pediatrics.

Professor F. X. Walls.
Professor Charles Hill.
Dr. T. C. McGonagle.
Dr. J. C. Brennemann.
Dr. M. Snow.

Department of Laryngology and Rhinology.

Professor Wm. E. Casselberry.
Professor F. Menge.
Dr. C. B. Younger.
Dr. R. E. Ransmeier.
Dr. F. K. Burr.
Dr. G. J. Dennis.
Dr. O. H. Maclay.
Dr. W. S. Bracken.

Department of Dermatology and Syphilology.

Professor J. Zeisler.
Professor L. C. Pardee.
Dr. E. R. Reynolds.

Genito-Urinary Surgery.

Professor L. E. Schmidt.
Dr. D. A. Brumund.
Dr. A. C. Kleutgen.
Dr. J. C. Colloran.
Dr. A. Pech.
Dr. V. D. Lespinasse.

The Dispensary is in Davis Hall, which was constructed especially for an out-patient hospital, and contains accommodations as complete as any other institution of its kind in the country. Between twenty-four and twenty-five thousand patients are treated in this dispensary annually.

Small classes of students are trained by the physicians in charge of the respective departments, in the details of physical diagnosis. A record of the attendance of each student at these clinics is preserved and is used in estimating his clinical record.

For dispensary courses, see the several departments of instruction.

CHICAGO LYING-IN HOSPITAL AND DISPENSARY.

The course of instruction offered by this institution is both clinical and didactic. Students who have completed one year's lectures on obstetrics are eligible to service.

The work is both in- and out-door, students caring for cases in the Hospital at 294 Ashland Boulevard, and in the Dispensary service, which is carried on from 298 Maxwell Street.

The Dispensary is situated in the most thickly populated district of Chicago, and its work is done in the homes of the patients.

Over 1,100 patients are confined in this service yearly—150 in the Hospital and 950 in the Dispensary. Students from the Northwestern University Medical School are eligible for this service.

Each student personally conducts six to ten labors, under the supervision of the resident staff, and gives personal care to the mother and child during the puerperium.

The course is two weeks, the fee twenty dollars, payable in advance.

COOK COUNTY HOSPITAL.

This hospital is situated at the corner of Wood and Harrison Streets. The daily average number of patients is between five and six hundred.

The Cook County Hospital, being a public institution, is open to all medical schools for clinical instruction. A number of medical schools have located in its vicinity, and the number of students attending clinics at this hospital aggregates about two thousand, there frequently being one thousand at one clinic.

The representatives of the Faculty of Northwestern University Medical School on the Cook County Hospital Staff are:

In Surgery—Professors Murphy, VanHook, and Schroeder.

In Medicine—Professors Edwards, Preble, and Mix.

The Cook County Hospital Clinics by members of this faculty are as follows:

Friday—8 to 10, Edwards; 10 to 12, Murphy; 2 to 4, Schroeder.

Saturday—1 to 2, Preble.

HOSPITAL APPOINTMENTS.

There are four interneships at Wesley Hospital each year, six at Mercy Hospital, four at St. Luke's Hospital, twenty-seven at Cook County Hospital, five at Alexian Brothers' Hospital, three at the Michael Reese Hospital, two at St. Elizabeth's Hospital, two at Chicago Hospital, two at Provident Hospital, one at the Passavant Hospital, one at the Chicago Policlinic, and six at the Chicago Lying-in Hospital. For hospital appointments secured in 1903 see page ——.

For further information relating to the Medical School, address Northwestern University Medical School, 2431 Dearborn Street, Chicago, Illinois.

THE LAW SCHOOL

CHICAGO.

FACULTY.*

EDMUND JANES JAMES, Ph.D., LL.D., *President of the University.*

JOHN HENRY WIGMORE, A.M., LL.B., *Dean, Professor of Law.*

HARVEY BOSTWICK HURD, LL.D., *Emeritus Professor of Law.*

NATHANIEL CLINTON SEARS, A.M., LL.D., *Professor in the Law of Procedure and Practice.*

CHARLES CHENEY HYDE, A.M., LL.B., *Assistant Professor of Law.*

ALBERT MARTIN KALES, A.B., LL.B., *Assistant Professor of Law.*

SAMUEL ADAMS, A.B., LL.B., *Professor in the Law of Procedure and Practice.*

JOHN HENRY SHELDON LEE, A.B., LL.B., *Assistant Professor in the Law of Crimes and Criminal Procedure.*

CHARLES GEORGE LITTLE, B.S., LL.B., *Assistant Professor of Law.*

HENRY SCHOFIELD, A.M., LL.B., *Professor of Law.*

LOUIS MAY GREELEY, A.B., *Professor in the Law of Conveyancing.*

LOUIS LEE DENT, A.B., *Professor in the Law of Equity Pleading and Practice.*

LEVI HARPER FULLER, B.S., LL.B., *Professor in the Law of Procedure and Practice.*

FREDERIC CAMPBELL WOODWARD, A.M., LL.M., *Professor of Law.*

CHARLES CLARENCE LINTHICUM, LL.B., *Professor in the Law of Patents.*

WILLIAM H. DYRENFORTH, LL.B., *Professor in the Law of Patent Practice.*

OTTO RAYMOND BARNETT, LL.B., *Associate Professor in the Law of Patents.*

* Arranged, with the exception of the President and Dean, in the order of appointment.

CHARLES BYRD ELDER, LL.B., *Lecturer on Extraordinary Legal Remedies and on Judgments.*

MITCHELL DAVIS FOLLANSBEE, A.B., LL.B., *Lecturer on Legal Ethics.*

HENRY CLAY HALL, B.S., LL.B., *Lecturer on Insurance.*

CHARLES E. PICKARD, A.B., *Lecturer on Trade-mark and Copyright.*

FREDERIC BEERS CROSSLEY, LL.B., *Secretary*

LOCATION.

The Law School is located in the Northwestern University Building, on the southeast corner of Dearborn and Lake Streets, Chicago, two blocks distant from the Court House. It occupies the entire third floor of the building, having a floor space of some 23,000 square feet. The quarters are commodious and handsomely equipped, and include two lecture rooms, a court room, an alumni room, a students' assembly room, several private studies for the school law clubs and for similar purposes, the usual office rooms and professors' rooms, and a library and reading room occupying 5,000 square feet of floor space. For a description of Northwestern University Building see page 58

FOUNDING AND PURPOSE OF THE LAW SCHOOL.

The Law School was founded in 1859, there being at the time but three similar schools west of the Alleghany Mountains. For many years it was known as the Union College of Law, but in 1891 it assumed its present name.

The School offers to students coming from all parts of the country a thorough training in the various subjects of the law. The course of study is arranged so as to give students that knowledge of the law which will be indispensable to them wherever they may practice. Special opportunities, however, are afforded for acquiring a knowledge of the law of Illinois, the peculiarities of which are pointed out in every course.

REQUIREMENTS FOR ADMISSION.

Applicants for admission to the Law School as regular students must meet the following requirements:

1. They must not be less than eighteen years of age.

2. They must present evidence of a preliminary general education equivalent to that of a graduate of a good high school in Illinois.

3. Where the applicant does not possess a diploma showing graduation from an approved high school, certificates showing the completion of the following subjects will be accepted for admission:

Algebra, Geometry, Ancient History, Physiology, Rhetoric, Physics, and Physical Geography, each one year; Botany and Bookkeeping, one year; Mediæval and Modern History, with special reference to English and American History, one year; English and American Literature, one year; and English Composition, one year.

In case the applicant has failed to complete any one or more of the studies enumerated above, he may substitute for it an equivalent amount of any science or any ancient or modern language, Latin being especially recommended. This does not apply, however, to English and American History or Literature, for which subjects no substitutes will be accepted.

4. A certificate showing that the applicant has passed the examinations for admission as a regular student to the College of Liberal Arts of this University, or to any college in good standing, will be accepted as sufficient proof of the required preliminary education.

Students are advised, whenever it is possible, to pursue at least a partial college course before commencing the study of law. Nearly forty per cent of the students in the law school hold academic degrees, and about seventy-five per cent of the total number have spent one or more years in college before entering the law school.

TIME FOR ENTRANCE.

Unless coming from another law school, no applicant will be admitted to the first-year class after the second week in January, for the reason that the courses of study are carefully graded and an acquaintance with earlier courses is necessary for the pursuit of later ones. All students intending to enter the school are sttrongly urged to do so at the beginning of the year. The disadvantage of delay is great, especially to students who intend to practise law in Illinois.

ADMISSION TO ADVANCED STANDING.

The regulations affecting admission to advanced standing are given under the requirements for degrees on page 240.

ADMISSION AS SPECIAL STUDENTS.

Persons not desiring to become candidates for a degree may pursue one or more courses as special students, provided they are qualified to pursue such courses to advantage. They will receive a certificate of all work done, and may at any time enter as candidates for a degree, provided they are qualified under the above requirements. No special student may take more than twenty-five term-hours of work in one year without special permission from the Dean.

COMBINED COURSES.

The conditions on which a student may combine a course in the College of Liberal Arts with a course in Law, and receive both degrees in six years, are stated on page 150.

COURSES OF INSTRUCTION.

FIRST YEAR—FIRST TERM.

Contracts—Keener's Cases on Contracts. Three hours a week.
Professor WOODWARD.

Torts—Ames' and Smith's Cases on Torts. Three hours a week.
Professor WIGMORE.

Property (I)—Gray's Cases on Property, Volumes I and II. Personal property; tenures and estates in real property; fixtures, profits, easements, covenants running with land, rents. Two hours a week.
Professor KALES.

Common Law Pleading and Procedure—Ames' Cases on Pleading; Andrews' Stephen on Pleading. One hour a week.
Professor ADAMS.

Crimes and Criminal Procedure—Beale's Cases on Criminal Law. Two hours a week.
Professor LEE.

FIRST YEAR—SECOND TERM.

Contracts (continued)—Three hours a week.
Professor WOODWARD.

Torts (continued)—Two hours a week.
Professor WIGMORE.

Property (I) (continued)—Two hours a week.
Professor KALES.

Common Law Pleading and Procedure (continued). Lectures and practical exercises. Two hours a week.
Professor ADAMS.

Master and Servant in Tort—Wambaugh's Cases on Agency. One hour a week.
Professor WIGMORE.

Damages—Beale's Cases on Damages. One hour a week.
Professor SCHOFIELD.

SECOND YEAR—FIRST TERM.

Evidence—Thayer's Cases on Evidence, second edition. Two hours a week.
Professor WIGMORE.

Trusts—Ames' Cases on Trusts. Three hours a week.
Professor WOODWARD.

Agency—Wambaugh's Cases on Agency. Two hours a week.
Professor LITTLE.

Commercial Paper—Ames' Cases on Bills and Notes. Three hours a week.
Professor HYDE.

Equity (I)—Torts, Keener's Cases on Equity, Volume I. Three hours a week.
Professor SCHOFIELD.

Property (II)—Gray's Cases on Property, Volumes III and IV. Acquisition of real property *inter vivos*, including deeds, covenants, etc.; devolution of property at death, including descent, wills, administration, etc. Two hours a week.
Professor KALES.

Equity Pleading and Procedure—Fletcher on Equity Pleading; and practical exercises. Two hours a week.
Professor DENT.

Persons (Domestic Relations)—Smith's Cases on Persons. Two hours a week.
Professor KALES

Extraordinary Legal Remedies (Mandamus, Quo Warranto, Habeas Corpus, etc.)—One hour a week.
Mr. ELDER.

SECOND YEAR—SECOND TERM.

Evidence (continued)—Two hours a week.
Professor WIGMORE.

Property (II) (continued)—Two hours a week.
Professor KALES.

Equity (II)—Specific Performance, etc. Keener's Cases on Equity, Volume II. Three hours a week. [Given in 1903-04 and in alternate years.]
Professor SCHOFIELD.

Equity (III)—Sundry Topics. Keener's Cases on Equity, Volume III. Three hours a week. [Given in 1904-05 and in alternate years.]
Professor SCHOFIELD.

Bankruptcy—Williston's Cases on Bankruptcy. Two hours a week.
Professor WOODWARD.

Quasi-Contracts—Keener's Cases on Quasi-Contracts. Three hours a week. [Given in 1904-05 and in alternate years.]
Professor WOODWARD.

Sales of Personalty—Williston's Cases on Sales. Three hours a week. [Given in 1903-04 and in alternate years.]
Professor WOODWARD.

Carriers—McClain's Cases on Carriers; Beale's Cases on Carriers. Three hours a week. [Given in 1903-04 and in alternate years.]
Professor HYDE.

Admiralty and Marine Insurance—Three hours a week. [Given in 1904-05 and in alternate years.]
Professor HYDE.

Judgments and Auxiliary Legal Remedies (Attachment, Garnishment, Execution, etc.) Rood's Cases on Attachments and Judgments. One hour a week.
Mr. ELDER.

Insurance (Fire and Life)—Wambaugh's Cases on Insurance. Two hours a week.
Mr. HALL.

THIRD YEAR—FIRST TERM.

Corporations—Smith's Cases on Corporations. Two hours a week.

Professor LITTLE.

Procedure and Practice in Illinois—Two hours a week.

Professor SEARS.

International Law (I)—Scott's Cases on International Law. Two hours a week.

Professor HYDE.

Suretyship—Ames' Cases on Suretyship. Two hours a week.

Professor LITTLE.

Constitutional Law—Thayer's Cases on Constitutional Law. Two hours a week.

Professor SCHOFIELD.

Jurisdiction of Federal Courts—One hour a week.

Professor SCHOFIELD.

Property (III)—Gray's Cases on Property, Volumes V and VI. Conditional and future interests; restraints on alienation; fraudulent transfers; registration of deeds; conversion and election; joint ownership; curtesy and dower; homestead. Two hours a week.

Professor KALES.

Conveyancing—Drafting exercises, study of selected abstracts, and lectures on practice. One hour a week.

Professor GREELEY.

Conflict of Laws—Beale's Cases on Conflict of Laws. Two hours a week.

Professor HYDE.

Mortgages—Kirchwey's Cases on Mortgages. Two hours a week.

Professor DENT.

Code Pleading and Procedure—Cases on Code Pleading. One hour a week.

Professor WOODWARD.

Practice Court—Causes prepared and conducted through all details of litigation, by students as attorneys and counselors, under the direction of a professor as judge. Two hours a week, at a single session.

Professor FULLER.

Patents of Invention:

Part I—General survey. Five lectures.
Professor LINTHICUM.

Part II—Patent Soliciting. Twenty lectures, with practical exercises.
Professor DYRENFORTH.

Part III—Patent Law and Practice. Forty lectures.
Professor BARNETT.

These three form a single course; the first part is open to all students; the second and third parts are open to students of the second and third years, and to special students, but cannot be taken separately. The number of lectures is equivalent to two hours a week through the year, and work in the course will therefore be credited as four term hours. Parts II and III will not be given unless at least twenty special students apply for them before October 15.

THIRD YEAR—SECOND TERM.

Corporations (continued)—Two hours a week.
Professor LITTLE.

Procedure and Practice in Illinois (continued)—Two hours a week.
Professor SEARS.

Constitutional Law (continued)—Two hours a week.
Professor SCHOFIELD.

Conveyancing (continued)—One hour a week.
Professor GREELEY.

Conflict of Laws (continued)—Two hours a week.
Professor HYDE.

Practice Court (continued)—Two hours a week, at a single session.
Professor FULLER.

Patents of Invention (continued).
Professor BARNETT.

Property (III) (continued)—Two hours a week.
Professor KALES.

International Law (II)—American Treaties and Diplomacy; topics for research. Two hours a week.
Professor HYDE

Municipal Corporations—Smith's Cases on Municipal Corporations. Two hours a week.
Professor SCHOFIELD.

Partnership—Ames' Cases on Partnership. Two hours a week.
Professor LITTLE.

The total number of term hours offered for selection in this curriculum is one hundred and nine, the equivalent of nearly fifty-five hours a week through the year. The course being graded as carefully as possible between the three year-groups, no first-year student may take courses in the second or third year-groups without special permission; and no second year student may take courses in the third year-group (except Constitutional Law and Patents of Invention) without special permission. A third-year student taking the courses on Conveyancing and Property III must already have taken the courses on Property I and II. But any regular student may take any course offered in the group of the year for which he is entered, or any course not already taken by him in a preceding year.

COURSES OF LECTURES NOT COUNTING FOR A DEGREE.

Trade-Marks and Copyrights—Six lectures.
Mr. PICKARD.

General Review—Five hours a week for a month; given twice. in September and May, prior to the State examinations for admission to the bar.
Mr. DENT.

Legal Ethics—Five lectures.
Mr. FOLLANSBEE.

COURSES IN THE COLLEGE OF LIBERAL ARTS.

Law students are admitted without charge for tuition to courses in the College of Liberal Arts by previous consent of both faculties in each individual case. Not more than one subject, however, may be taken in the College in any one year, and students seeking this privilege must meet the College entrance requirements.

SPECIAL TRAINING IN LEGAL WRITING AND SPEAKING AND IN THE PRACTICE OF THE LAW.

In addition to the systematic instruction in the body of the law, as represented in the foregoing curriculum, an effort is made to provide adequate training in the practical use of legal knowledge and discipline, as well as in certain important details of legal writing and speaking, which help materially to equip the accomplished lawyer. The various branches of work directed to this end are as follows:

1. *Pleadings*—In the courses on Common Law Pleading, Code Pleading, and Equity Pleading, in addition to the systematic course of study, the student is given exercises in the drafting of the various kinds of pleadings.

2. *Conveyancing*—In the course on conveyancing the chief material of the work consists in a series of selected abstracts of title, some twenty-five in all, representing the greatest variety of documents and proceedings involving property rights. A separate copy of each abstract is placed in the hands of every member of the class, and a detailed study is made of the various matters of form and substance from the conveyancer's point of view. Thorough work in this course ought to equip the student as a practical conveyancer at the time of his entering upon his profession. No one may take this course who has not already taken the courses Property I and II.

3. *Practice Court*—In the several courses of lectures on Procedure and Practice a systematic and detailed survey is taken of the rules of law. In the Practice Court an opportunity is given to the third-year students to become practically familiar with these rules by the personal application of them in litigation managed by the student himself. The Court's sessions are held weekly, on Tuesday evenings, for two hours. During each session from one to three cases are tried, with and without a jury; and other cases are disposed of in various aspects. In the meantime, between the sessions, numbers of causes are being prepared and advanced from stage to stage by the student-attorneys in charge. While the proceedings are dispatched, at the hearings, by the respective attorneys, all other members of the class are required to attend and make notes and reports of the work being done, so that each one obtains some benefit also from what is done in his presence by others. A faithful observance of the work of this course ought to give the graduate such an experience in using his legal knowledge as will assist him materially to start in his profession with greater readi-

ness and practical facility. The systematic pursuit of such work under an experienced instructor obtains for the student the same results as a period of desultory service in a law office, and is more economical in time and more thorough and accurate in quality. A copy of the printed Rules of the Practice Court will be mailed to any one upon request.

4. *Legal Tactics*—On every Monday evening until April, an address is given by some well-known member of the Bar, upon some topic of practice in which he has had special experience, and in which the communication of personal experience is of special value as a guide to others. This course is of particular value to young practitioners already at the Bar, and will be repeated each year, with some variations. Each number of the Law School BULLETIN contains one of these addresses, selected as typical.

5. *Public Speaking*—The function of a lawyer, as the persuasive adviser and leader of men, needs for its development some training in oral argument and debate, use of the voice, conduct of meetings, and the like. Such a course of training is offered in 1903-1904, in the following three parts:

(a) Argument and Debate. An exercise of two hours once in two weeks through the first term, conducted by Mr. Engstrom, formerly instructor in Forensics in Albion College.

(b) Voice Training. An exercise of one hour once a week through the first term, in a class of two sections, meeting alternately, conducted by Mr. Dennis, of the Cumnock School of Oratory.

(c) Parliamentary Practice. An exercise of one hour, once a week through the first term, conducted by Professor Joseph W. Robert, of the Robert School of Parliamentary Law.

This course in Public Speaking is open to all students.

The Towle Prizes are open for competition only to students who take the course in Public Speaking.

6. *Thesis*—It is the desire of the Faculty to encourage original research by students. Any member of the third-year class may therefore obtain credit to an amount not exceeding two term hours by presenting a satisfactory thesis upon some legal topic approved by a member of the Faculty before December 1st. The thesis must be presented on or before May 15th of the year in which the student expects to graduate; it must be printed on the typewriter or otherwise, and is to be keep permanently in the school. The work should be begun not later than December.

7. *Moot Courts and Briefs*—For the purpose of training students in the independent investigation of legal questions, and in the preparations of briefs, Moot Courts are held weekly from

October to April. Each member of the second-year class is required to take part as counsel at least three times, and to sit as judge in other cases. The Courts are conducted by means of clubs, which select their own members. A professor presides at each session. Credit for one term hour is given for work satisfactorily done therein.

Alumni have been invited to submit cases in which they may be interested for argument in the Moot Court, and in such instances a copy of the briefs on which the arguments are based will be forwarded to the attorney submitting the case.

THE LIBRARY.

In convenience for study and research the library is unexcelled. The room is divided into large, clean, quiet, well ventilated, and well lighted alcoves, each alcove containing a table and comfortable chairs. The library is being gradually increased, and at present comprises the United States Reports, all of the State Reports to the Reporter System, the complete National Reporter System, the Lawyers' Reports Annotated, all of the Illinois Reports, statutes of all the States in the Union, and a large collection of digests, encyclopedias and text books. Of the English Reports it possesses the complete Law Reports since 1865, most of the remaining reports between 1790 and 1865, and the Full Reprint of the earlier Reports as far as issued. The Gary Collection of Treatises, Reports, and Statutes of Continental Law is now being installed. This collection includes the jurisprudence of the twenty-one European countries, and it is not paralleled by any other collection in the United States. As a source of investigation for International Law and Continental Law it will provide facilities hitherto wholly unavailable west of the Atlantic Coast.

REQUIREMENTS FOR DEGREES.

All degrees are conferred at the general University Commencement, at which time candidates must present themselves in person, wearing the Oxford cap and gown.

The following are the requirements for the degree of Bachelor of Laws:

1. Candidates for the degree of Bachelor of Laws must be recommended for that degree by the Faculty of the School. Only candidates of good moral character, who have fulfilled all the following requirements will be recommended.

2. Candidates must have been in regular attendance at this Law School for three years, except that (a) Students who have studied law for one year, either in a college, or in a law school, may obtain a degree in two years; (b) Students who have satisfactorily completed two years' study in a law school of good standing may obtain a degree in one year; and (c) Students who have satisfactorily completed one year's study in a law school of good standing, and who have also studied law for one year either in a college, or a law school, may become candidates for a degree in one year by obtaining special permission from the Dean.

3. Candidates for a degree must register for work amounting to at least eleven hours a week for each year, except in the third year, when at least ten hours a week is required.

4. All candidates for a degree must pass examinations in courses of study amounting to sixty-six term-hours (the equivalent of eleven hours a week for three years); provided that in reckoning the required number of term-hours for graduation, there must be included at least ten hours of work in each term of the third year.

Persons who have satisfactorily completed a two-years' course of study in a law school in good standing will be excused from one-half of the examinations above required.

Persons who have satisfactorily completed less than two years' study of law in a college or law school in good standing, may be given credit for this work and be excused from these examinations to such extent as shall be determined in each case by the Dean. The specific subjects in which such credit may be given will be stated by the Secretary at the time of admission.

The Master's degree in Arts, or Science, will be conferred under the following conditions:

A graduate of the College of Liberal Arts of this University, or of some other in which the requirements for the Bachelor's degree are equivalent to the requirements for the same degree at this University, may obtain the Master's degree at the same time as the degree of Bachelor of Laws by pursuing advanced work in sub-

jects approved by the Faculty of the College of Liberal Arts, and obtaining credit therefor to the amount of twelve semester-hours, and by presenting a satisfactory thesis on an approved topic.

The courses of study may, in whole or in part, deal with legal subjects; but courses of legal study, in order to count for the degree, must be *(a)* of an advanced nature; *(b)* not otherwise counted for the degree of Bachelor of Laws; *(c)* pursued under the direction of a member of the Faculty of the Law School.

Students in law, intending to become candidates for the Master's degree, must register for the same in the College of Liberal Arts and in the Law School on or before the first Monday in October of the year in which they expect to graduate, and must pay the diploma fee of ten dollars. The Master's degree is open upon the same terms to graduates of the Law School who register before the October next following the completion of their professional course.

The following subjects have been approved by the Faculty of Liberal Arts, and work therein may be counted for the Master's degree: Constitutional Law, International Law, Administrative Law, Roman Law, Jurisprudence, Legal History.

GRADES OF SCHOLARSHIP AND RECORD.

Four grades of record are given for work done. These are as follows: A, excellent; B, satisfactory; C, unsatisfactory; D, failure. A student may not count, toward meeting the requirements for a degree, a course in which he obtains grade C, except he obtain grade A in another course or courses of equivalent amount; and except that he may count courses in which he obtains grade C to the extent of one-sixth of the total work required for a degree.

TUITION FEES.

The tuition fee for regular students is one hundred and five dollars a year, payable in three installments of thirty-five dollars each, October 1st, January 10th, and April 1st. A rebate of five dollars is allowed to students who pay the entire tuition in advance on October 1st.

Special students are charged at the rate of five dollars for each hour of class-room work for a half year. The fee for the course in Patent Law is twenty-five dollars.

PRIZES.

1. *The Towle Prizes.*—A first prize of one hundred dollars, and a second prize of fifty dollars, the gift of Henry Sargent Towle, Esq., Chairman of the Law School Committee of the Board of Trustees, will be awarded to the members of the classes in Public Speaking, who shall, in public competition at the completion of the course in public speaking, be adjudged most proficient in the work of the course.

In the event of more than thirty candidates entering the preliminary competition a third prize will probably be offered.

2. *The Callaghan Prize.*—A prize of fifty dollars in books, to be selected from their own publications, the gift of Messrs. Callaghan and Company, of Chicago, will be awarded annually to the member of the graduating class having the best record in scholarship for the entire course.

SCHOLARSHIPS FOR STUDENTS.

Six assistant librarians and monitors are appointed annually. These receive free tuition in compensation for their services. Applications for appointment should be addressed to the Secretary of the Law School.

For further information concerning the Law School, address Northwestern University Law School, Lake and Dearborn Streets, Chicago.

THE SCHOOL OF PHARMACY.

CHICAGO.

FACULTY.

EDMUND JANES JAMES, PH.D., LL.D., *President.*

OSCAR OLDBERG, PHARM. D., *Dean, Professor of Pharmacy.*

WILLIAM EDWARD QUINE, M.D., *Professor Emeritus of Physiology, Therapeutics, and Toxicology.*

HARRY MANN GORDIN, PH.D., *Professor of Organic Chemistry.*

THEODORE WHITTELSEY, PH.D., *Professor of Inorganic, General, and Analytical Chemistry.*

RAYMOND H. POND, PH.D *Professor of Botany, Pharmacognosy, and Bacteriology.*

MAURICE ASHBEL MINER, PHARM. M., *Assistant Professor of Pharmacy.*

CHARLES WAGGENER PATTERSON, B.S., PH.C., *Registrar, Assistant Professor of Analytical Pharmaceutical Chemistry.*

HARRY KAHN, PHARM. M., M.D., *Assistant Professor of Physiology and Materia Medica.*

DAVID CHARLES ECCLES, B.S., A.M., *Secretary, Instructor in Pharmacy.*

GUSTAVE E. F. LUNDELL, B.S., *Instructor in Chemistry.*

GERHARD H. JENSEN, B.S., *Instructor in Botany.*

JOHN FERDINAND FISCHNAR, PH.C., *Assistant Instructor in Pharmacy.*

LEONARD ALFRED JOHNSON, PH.C., *Assistant Instructor in Chemistry.*

LOCATION AND EQUIPMENT.

The School of Pharmacy was established in 1886 and is in Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago. It occupies the whole of the fourth floor of that building and a part of the second floor.

The twenty-one rooms occupied by the School include seven large laboratories, two lecture rooms, balance rooms, library and museum, and two student's rooms, all newly furnished.

The laboratories are: the Qualitative Laboratory with accommodations for three classes of seventy students each; the Quantitative Laboratory accommodating three sections of thirty-six students each; the laboratory for Botany, Microscopy, and Pharmacognosy, the capacity of which is sufficient for six sections of forty-eight each; the Manufacturing Laboratory where four sections of seventy students each, are provided for; the Laboratory for Organic Chemistry having facilities for four sections of twenty-eight each; the Dispensing Laboratory in which six sections, each of from twenty-four to thirty-six students, may be taught; and the Bacteriological Laboratory having accommodations for two sections, each consisting of twenty-four students.

The Museum contains over two thousand specimens of drugs and other plant substances of industrial importance.

The Library contains over eight hundred bound volumes of well selected reference works including the pharmacopœias of all countries, all the principal current chemical and pharmaceutical journals of the world, complete sets of the Proceedings of the American Pharmaceutical Association, the British Pharmaceutical Journal, the American Journal of Pharmacy and the Archiv der Pharmacie, together with the best works on botany, chemistry, materia medica, pharmacognosy, and pharmacy, and the special encyclopœdias, dictionaries, and formularies of value to chemists and pharmacists.

TERMS AND VACATIONS.

In order to make the fullest use of the extensive and costly plant of this School for the purposes for which it was intended, the institution is kept in operation practically continuously, being closed only during the month of August. The period of eleven months during which the School is annually open is divided into three terms of equal lengths. The fall term begins in the second week of September, the winter term in the first week of January, and the spring term in the second week of April. Students are admitted at the beginning of any term.

REQUIREMENTS FOR ADMISSION.

No student is admitted under eighteen years of age unless he is a graduate of a standard high school, or is possessed of a general education equivalent to that prescribed for graduation from such a school.

All matriculants for the course leading to the degree of Graduate in Pharmacy must possess a general education at least equivalent to that required for admission to a high school of the best grade. Persons who have been registered by State Boards of Pharmacy as pharmacists, assistant pharmacists, or apprentices in pharmacy, are admitted upon presentation of their certificates of registration, provided such registration has been secured after regular examination.

Matriculants for the course leading to the degree of Pharmaceutical Chemist and for the special courses in Analytical Chemistry and Microscopy are required to possess a general education at least equivalent to that represented by graduation from a high school of the best grade.

The degree of Master of Pharmacy is conferred only upon students whose general preparatory education satisfies the requirements for admission to the College of Liberal Arts, and who in addition have satisfactorily completed three full years of work in that College, or its equivalent, before taking up work in the School of Pharmacy.

SUBJECTS INCLUDED IN THE COURSES OF INSTRUCTION.

FOR THE DEGREE OF GRADUATE IN PHARMACY.

Pharmacy. Materials, methods, and products of pharmacy. Pharmacy laws. The Pharmacopœia. Pharmaceutical nomenclature. The prescription and the art of dispensing. Lectures, text, and laboratory work.

Metrology. Principles. The Metric System. Weighing and measuring. Specific Weight. Determinations of mass and volume and their relations; study of the instruments employed.

Microscopy. Construction and use of the microscope.

Botany. Histology, organography, and taxonomy. Lectures and laboratory work.

Pharmacography, and the study of plant substances employed in the industrial arts. Lectures and laboratory work.

Inorganic Chemistry, general, theoretical, and descriptive. Lectures, text, and laboratory work.

Analytical Chemistry. Lectures, text, and laboratory work in qualitative and quantitative analysis.

Organic Chemistry. Lectures and text.

Manufacturing. General principles. Materials and products. Methods. Lectures and laboratory work.

Human Anatomy and Physiology. Lectures and text.

Materia Medica, Therapeutics, and Toxicology. Lectures and text.

Drug Assaying. The official processes. Laboratory work.

FOR THE DEGREE OF PHARMACEUTICAL CHEMIST.

All of the work included in the course for the degree of Graduate in Pharmacy, and in addition:

Analytical Chemistry. Further laboratory work in plant and drug analysis, sanitary food and water analysis, valuation of digestive preparations, examination of fats, oils, soaps, etc.

Urine Analysis. Laboratory work.

Organic Chemistry. Lectures and text, including a special course on alkaloids, glucosides, etc.

The Pharmacopœias of the World. Comparisons of their respective contents. Lecture course.

SPECIAL COURSES OFFERED TO STUDENTS WHO DESIRE TO PREPARE FOR WORK IN ANALYTICAL CHEMISTRY AND MANUFACTURING.

All of the work under the head of Inorganic, Organic, and Analytical Chemistry, Manufacturing, Botany, Microscopy, and Pharmacognosy, together with additional and more advanced work in Quantitative Analysis, Organic Chemical Preparations, and the Examination of Materials and Products employed in industrial and engineering chemistry.

Advanced courses in special lines of work may be had by special arrangement.

Students desiring to take courses in Mineralogy, Economic Geology, Crystallography, and Assaying, may take them in the College of Liberal Arts.

A course in Physiological Chemistry is given in the Medical School.

DEGREES.

The courses for the degree of GRADUATE IN PHARMACY are arranged so that they may be completed in four terms of fourteen weeks each. The student may begin the course in either January, or April, or September, and take the courses in proper logical sequence, graduating at the end of any term when the work shall have been satisfactorily done.

The courses for the degree of PHARMACEUTICAL CHEMIST are arranged to occupy five terms. Students intending to take the course for this degree must announce their intention at the time of matriculation if they desire to finish the course in five consecutive terms. They are advised to begin their work in September. Graduates in Pharmacy of this School may take the additional work required to complete the course for the degree of Pharmaceutical Chemist in any one term.

Students who desire to take work in Chemistry and Microscopy to prepare themselves for work in manufacturing and in Analytical Chemistry and Microscopy must begin their work in September.

It is strongly advised that all of the courses offered be taken by students who wish a thorough training for the work of manufacturing and dispensing pharmacists and

chemists, and for that of general and sanitary analysts and microscopists. This amount of work can be accomplished in six terms of fourteen weeks each.

The degree of Master in Pharmacy requires three full years' work in the College of Liberal Arts and five terms' work in the School of Pharmacy. Students having completed the work of three full years of the course leading to the Bachelor's degree in the College of Liberal Arts, including all required subjects and the work for a major and a minor, may obtain the degree of Bachelor of Science upon the completion of the work of three terms (of fourteen weeks each) in the School of Pharmacy; and the degree of Master of Pharmacy follows upon the completion of all of the work for the degree of Pharmaceutical Chemist.

Candidates for the degree of Master of Pharmacy take the course for the degree of Pharmaceutical Chemist modified and enlarged to correspond with their preparatory college work.

SEPARATE COURSES.

A student may take one or more of the separate courses given in the school at proportional fees, and will receive full credit for all such work when satisfactorily done. This applies both to the didactic courses and to laboratory work. No student will be received into the school for a less period than one term.

ADVANCED CREDITS.

A student presenting proper evidence of having satisfactorily completed in an approved school one or more of the courses of study or laboratory work included in the curriculum of this school may receive such credit therefor as is consistent with the prescribed requirements.

Students of pharmacy who have completed the first year's work in any other pharmaceutical school may, at the discretion of the faculty of this school, be admitted to the senior class in the course for the degree of Graduate in Pharmacy.

FEES AND EXPENSES.

The matriculation fee, payable but once and before registration, is five dollars. It is not returnable.

The tuition fee is forty dollars for each term of fourteen weeks.

Students taking partial, divided, or special courses, including persons employed for a part of their time in drug stores, are required to pay tuition fees corresponding to the amount of work taken.

The charge for materials (drugs, chemicals, etc.) consumed in the laboratory work is seven dollars a term.

To cover the cost of apparatus lost, destroyed, or damaged, and of any damage wilfully or needlessly inflicted to the building, furniture, or other property, each student is required to make a deposit of five dollars before being assigned tables in the laboratories. This deposit is intended to cover the whole term, and any balance remaining is returned to the student.

Text books, laboratory aprons, towels, filter paper, and any other articles not included in the outfits of apparatus, or not returnable, are furnished to the students at cost. Students may however purchase these articles wherever they please.

The diploma fee, payable not later than two weeks before graduation, is ten dollars.

Individual lockers are rented to students at one dollar each. That rental covers the whole period of the student's uninterrupted attendance.

BOARD AND ROOMS.

Board and rooms can be secured near the school at from four to six dollars a week. Students may also secure rooms and board separately. Information in regard to these matters, and addresses of reliable and satisfactory private boarding-places will be supplied at the College. Good accommo-

dations are plentiful, and satisfactory arrangements can be quickly made by a student immediately upon his arrival. It is wholly unnecessary, and rarely advantageous to secure board and room in advance.

The Young Men's Christian Association of Chicago has a department office in the building for the Northwestern University professional schools. The Association assists students in securing desirable boarding-places, and the Department Secretary will be glad to furnish information in regard to the work of the Association, and render whatever assistance he can to new students.

EMPLOYMENT FOR STUDENTS.

Students who desire employment in drug stores during their college attendance, to enable them to earn their expenses, should send for the special circular relating to such employment. Students employed in drug stores should not attempt to do the weekly work of full-time students, but should divide their studies so that the work done will bear a proper proportion to their available time.

Students who do not devote their whole time to college work may elect their studies so far as is consistent with proper sequence, and may attend the school from twelve to twenty-four hours weekly according to the time at their disposal.

For Catalogue and further information, address Northwestern University School of Pharmacy, Northwestern University Building, Chicago.

THE DENTAL SCHOOL.

CHICAGO.

FACULTY.

EDMUND J. JAMES, PH.D., LL.D., *President.*

GREENE VARDIMAN BLACK, M.D., D.D.S., Sc.D., LL.D., *Dean, Professor of Operative Dentistry, Pathology, and Bacteriology.*

THOMAS LEWIS GILMER, M.D., D.D.S., *Professor of Oral Surgery.*

ELGIN MAWHINNEY, D.D.S., *Professor of Special Pathology, Materia Medica, and Therapeutics.*

EDMUND NOYES, D.D.S., *Professor of Dental Jurisprudence and Ethics.*

*WILLIAM EDWARD HARPER, D.D.S., *Professor of Operative Technics. Assistant Professor of Operative Dentistry. Secretary of the Faculty.*

JAMES HARRISON PROTHERO, D.D.S., *Professor of Prosthetic Technics, Prosthetic Dentistry, and Metalography.*

FREDERICK BOGUE NOYES, A.B., D.D.S., *Professor of Histology.*

TWING BROOKS WIGGIN, M.D., *Professor of Physiology and Pathology.*

VERNON JAMES HALL, PH.D., *Professor of Chemistry.*

GEORGE ALBERT DORSEY, PH.D., *Professor of Comparative Anatomy.*

CHARLES LOUIS MIX, A.M., M.D., *Professor of Anatomy.*

FRED WILLIAM GETHRO, D.D.S., *Lecturer on Operative Technics.*

EUGENE SHAW WILLARD, D.D.S., *Lecturer on Bacteriology.*

IRA BENSON SELLERY, D.D.S., *Lecturer on Orthodontia.*

SHERMAN ELIJAH WRIGHT, M.D., *Lecturer on Anesthesia.*

*Resigned January 12, 1904.

DEMONSTRATOR FOR 1903-04.

James William Birkland, D.D.S.
Arthur Davenport Black, B.S. M.D., D.D.S.
William Earl Blake, D.D.S.
Frederick Albert Bonthius, M. D.
Herbert Franklin Christie, D.D.S.
Charles Henry Converse, D.D.S.
Herbert Milton Craig, D.D.S.
William Pollock Craig, A.M., D.D.S.
William Harry Ellis, D.D.S.
Mont Rankin Gilchrist, D.D.S.
Harvey Edgar Harrison, D.D.S.
Francis Byron Ingersoll, D.D.S.
George Buchanan Macfarlane, D.D.S.
Cecil James Hamilton Magee, D.D.S.
Eugene Maginnis, D.D.S.
David Graham Marks, D.D.S.
Huston French Methven, D.D.S.
Frederick William Parker, D.D.S.
Ralph Waldo Parker, D.D.S.
George Corwin Poundstone, D.D.S.
Austin Ora Smith, D.D.S.
Wirt Allen Stevens, D.D.S.
John Benjamin Wagoner, D.D.S.
Benjamin Waldberg, D.D.S.
Eugene Shaw Willard, D.D.S.

LOCATION AND EQUIPMENT.

The Dental School, located in Northwestern University Building at the corner of Lake and Dearborn Streets, Chicago, was founded and is maintained for the purpose of preparing young men and women in the most thorough manner for the practice of dentistry, and for the promotion of dental science and literature. No expense has been spared in its equipment or in the employment of an adequate faculty of skilled teachers, with a large force of demonstrators and assistants. The school occupies the three upper floors of the University Building, except that the chemical laboratories are on the second floor, and has over 60,000 square feet of floor space. This space is arranged especially for the purposes of teaching dentistry, and is supplied with modern equipment for that end.

The Clinic Room, particularly, is of the best design and construction. It occupies the upper floor and has free light on two sides and abundant skylight. It is one room, with arched ceiling, sufficient in extent to accommodate the great clinic and the offices connected with it. It is reached by elevators from the principal entrance on Lake Street and from a smaller entrance on Dearborn Street.

REQUIREMENTS FOR ADMISSION.

In accordance with the action of the Faculties' Association, taken at the Omaha meeting in 1898, examinations for admission to the Dental School are made by the legally constituted officers of instruction of the locality in which the applicant resides, or by the State Superintendent of Instruction or his deputy.

Therefore students desiring to enter this school must bring with them credentials signed by a County or City Superintendent of schools, a Principal of a high school, or the State Superintendent of Instruction.

These credentials must show that the applicant has completed the second year of an approved high school course, or its equivalent, in order to entitle him to enter this school for the term beginning in October, 1904.

Students matriculating in this school, agree thereby to accept the discipline imposed by the faculty. No return of fees can be made in case of suspension or expulsion.

ADMISSION TO ADVANCED STANDING.

Students who present certificates of having taken courses in other recognized schools which cover subjects required in this school will be accredited with such studies if satisfactory to the professors in the respective departments. Graduates in medicine will be credited with one year of time.

Students coming from high schools and colleges, who wish credit in courses parallel to courses in this school should bring credentials showing specifically the time spent on these subjects and also their note books of work done.

METHODS OF INSTRUCTION.

The studies of the whole course are grouped into departments, the work of each department being graded from the more general and fundamental to the more specialized and advanced.

The work in the several departments is planned with reference to the work done in all other departments, and the greatest care is taken that the whole shall be so correlated that the student in taking up a new subject shall find himself prepared by work done in other departments.

SCHEDULE OF COURSES.

FIRST YEAR.

I. Anatomy, a, b, c, d.
II. Physiology, a, b, c, d.
III. Histology, a, b, c.
V. Chemistry, a, b, c, d.
IX. Prosthetic Dentistry,
(Technic Course), a, b, c, d, e.
XI. Operative Dentistry,
(Dental Anatomy and Technic Courses), a, b, c, d, e, f, g, h.

SECOND YEAR.

I. Anatomy, e, f, g.
II. Physiology, e, f.
III. Histology, d, e, f, g.
IV. General Pathology, a, b.
V. Chemistry, e, f, g, h.
VI. Comparative Anatomy, a.
VII. Materia Medica and Therapeutics, a, b, c.
IX. Prosthetic Dentistry, f, g, h, i.
XI. Operative Dentistry, i, j.

THIRD YEAR.

VIII. Bacteriology, a, b.
IX. Prosthetic Dentistry, j, k, l.
X. Orthodontia, a, b, c.
XI. Operative Dentistry, k, l, m, n, o, p.
XII. Special Pathology and Therapeutics, a, b, c, d, e.
XIII. Oral Surgery, a, b, c, d, e, f, g, h, i.
XIV. Dental Ethics and Jurisprudence, a.

DEPARTMENTS OF INSTRUCTION.

The work in each department is arranged so as to begin with the fundamental or general and pass to the more advanced or special. The student is supposed to take the courses in the order enumerated, though some deviation from this rule may be allowed in certain cases approved by the Faculty.

I. DEPARTMENT OF ANATOMY.

The equipment of the Department of Anatomy is very complete and is entirely new. The large Anatomical Laboratory, located upon the top floor of the building, is beautifully lighted on the east and south sides by numerous windows, and in the center of the room by a large skylight. The ventilation is perfect, no complaints ever arising on account of disagreeable odors. The Laboratory is equipped with thirty-six dissecting tables of the latest pattern, entirely of metal, except the plate-glass tops. Skeletons are provided for the use of the students, and by the payment of a small deposit, bones may be taken from the building for home study.

FIRST YEAR.

(a) Introductory course in Visceral Anatomy.
Two lectures and demonstrations a week. One-third of a Semester.
Professor MIX.

(b) Human Dissections.
Two two-hour periods a week through the year.
Professor MIX, Dr. VAN TUYL, Dr. BONTHIUS, and assistants.

(c) Anatomy of the Extremities.
Two lectures a week through the year.
Professor MIX.

(d) Recitations on lectures and dissections.
Two hours a week through the year.
Mr. PRINTZ.

SECOND YEAR.

(e) Anatomy of the Head and Neck.
Two lectures a week through the year.
Professor MIX.

(f) Human Dissections.
Two two-hour periods a week. First Semester.
Professor MIX, Dr. VAN TUYL, Dr. BONTHIUS, and assistants.

(g) Recitations on dissections.
Two hours a week through the year.
Dr. VAN TUYL.

II. DEPARTMENT OF PHYSIOLOGY.

Physiology includes a course of two lectures a week and text-book study with quizzes in the freshman year. In the junior year the subject is continued in one lecture a week, devoted mainly to the brain, nervous system, and the functions of reproduction.

FIRST YEAR.

(a) General Physiology. The structure of the elementary tissues. The chemical composition of the body. The blood. The circulation of the blood.
Two lectures a week. First Semester.
Professor WIGGIN.

(b) Quiz and class work in sections.
Two hours a week. First Semester.
Dr. CRAIG.

(c) Respiration. Secretion. Food digestion. Metabolism. Nutrition and diet. Animal heat. Excretion. Muscle. Nerve Physiology. Production of voice.
Two lectures a week. Second Semester.
Professor WIGGIN.

(d) Quiz class work in two sections.
Two hours a week. Second Semester.
Dr. CRAIG.

SECOND YEAR.

(e) The central nervous system. Brain. Spinal cord. Reproductive organs. Development. Lectures and Recitations.
One hour a week through the year.
Professor WIGGIN.

(f) Quiz class work in sections.
Two hours a week through the year.
Dr. Ellis.

III. DEPARTMENT OF HISTOLOGY.

This department is provided with a large student's laboratory, fitted with seventy-one hardwood student's desks, each furnished with reagents, lockers, compound microscope with lenses and condensers, electric lights for dark days, and all of the conveniences for preparation work and microscopic study. It is also provided with a stereopticon and projecting microscope for demonstration purposes. In addition to this large laboratory, there is an adjoining professor's study and a well appointed preparation laboratory.

In the laboratory work the classes are usually divided into sections of not more than fifty students. This work has been greatly aided by a very large collection of lantern slides from photo-micrographs and framed photographic prints; a large histological museum containing sets of microscopic slides sufficient in number on any given subject for a full section, not only of all of the ordinary soft tissues, but also of the peridental membranes, dental pulp, periosteum, and ground sections of the teeth. These are used by the classes for purposes of study in addition to the sections the students stain and mount for themselves.

FIRST YEAR.

(a) Construction and use of the microscope, a study of cell structure and function, studies of the elementary tissues, histology of the organs; circulatory, lymphatic, alimentary tract and accessory glands, respiratory system, urinary organs, and skin.
One lecture a week through the year.
Professor F. B. Noyes.

(b) Laboratory course covering the subjects of the lecture course (a).
Two two-hour periods a week through the year.
Professor F. B. Noyes and Dr. Poundstone.

(c) Quizzes and recitations.
One hour a week through the year.
Dr. POUNDSTONE.

SECOND YEAR.

(d) The Dental Tissues. Enamel. The Peridental Membranes Periosteum. Bone. Mucous membranes and other soft tissues of the mouth.
One lecture a week. Two-thirds of a Semester.
Professor F. B. NOYES.

(e) A short course in Embryology.
One lecture a week. One-third of a Semester.
Professor F. B. NOYES.

(f) Laboratory course covering the subjects of lecture courses (d) and (e).
Two two-hour periods a week through the year.
Professor F. B. NOYES and Dr. POUNDSTONE.

(g) Quizzes and recitations.
One hour a week through the year.
Dr. POUNDSTONE.

IV. DEPARTMENT OF GENERAL PATHOLOGY.

This course, while essential to the student's understanding of general pathological conditions, forms at the same time the basis of his studies of the special pathology of the tissues of the teeth, their membranes and correlated tissues, and the organs of the mouth.

SECOND YEAR.

(a) Etiology of disease. Disorders of Nutrition and Metabolism. Diabetes. Fever. General Circulatory disturbances. Local Hyperemia. Local Anemia. Hemorrhage. Embolism. Infraction. Thrombosis. Retrogressive processes. Atrophy. Infiltrations and degenerations. Necrosis. Inflammation. Progressive tissue changes. Neoplasms. Infections. Granulomata. Bacteria, and diseases caused by them. Lectures and recitations.
One hour a week through the year.
Professor WIGGIN.

(b) Quiz class in sections.
Two hours a week. Second Semester.
Dr. ELLIS.

V. DEPARTMENT OF CHEMISTRY.

The Chemical Laboratories, which are used exclusively for dental students, are large, well ventilated, well lighted, and complete in every respect. One laboratory is devoted to the General Chemistry and Qualitative Analysis of the first year, another is arranged with special reference to the experimental teaching of Métallurgy and other practical work of interest to dental students.

In addition to the main laboratories, there are large dispensing rooms, a balance room well equipped with balances and apparatus for testing the physical properties of metals, amalgams, etc., and a room covered with a hood for carrying off fumes. In this are found the furnaces employed in alloying, assaying, and refining.

FIRST YEAR.

(a) General and Inorganic Chemistry. Lectures and recitations.
Two hours a week. First Semester.
Professor HALL.

(b) Chemical Laboratory. Work in illustrative experiments in General and Inorganic Chemistry.
Six hours a week. First Semester.
Professor HALL and assistants.

(c) Chemistry of the Metals. Lectures and recitations.
Two hours a week. Second Semester.
Professor HALL.

(d) Laboratory. Behavior of the metals before the blowpipe, with reagents, qualitative analysis. Analysis of unknown mixtures, particularly bases and alloys.
Six hours a week. Second Semester.
Professor HALL and assistants.

SECOND YEAR.

(e) Practical problems in Dental Chemistry. Lectures and quizzes.
One hour a week through the year.
Professor HALL.

(f) Laboratory. Refining gold, silver, and other metals. Making dental alloys, gold and silver solders, amalgam alloys, etc. Laboratory study of fusible alloys, and

cements. Assay of dental alloys for gold, silver, platinum, tin, copper, etc.
Three hours a week. First Semester.
Professor HALL and assistants.

(g) Organic and Physiological Chemistry. Lectures and demonstrations.
Two hours a week through the year.
Professor HALL.

(h) Laboratory work in Organic Chemistry.
Three hours a week. Second Semester.
Professor HALL and assistants.

VI. DEPARTMENT OF COMPARATIVE DENTAL ANATOMY.

This course is designed to give the student in a concise form an intelligent view of the animal kingdom and its classifications, especially of the vertebrates, the forms of teeth in relation to food habits and as weapons of offense and defense; also a study of the extinct species of animals of the several classes, the variations in tooth forms that have occurred illustrating development through the geological ages; the history of the changes from the simple to the complex forms as they now exist. The Museum of the Dental School is especially rich in skulls of the several orders of the animal kingdom, furnishing illustrations for the study of all of the known tooth forms. The great collection of the Field Columbian Museum is available and is made use of for purposes of illustration and study.

SECOND YEAR.

(a) Evolution. The meaning of similarity of structure. Natural selection. Changes in organs. Correlation of growth between various parts. Principles of heredity and fixity of species. Tooth forms. Definitions and descriptions of the varieties of forms. The typical mammalian dentition. Classification of the animal kingdom, with concise descriptions of the typical characteristics of each.
Two lectures a week. Second Semester.
Professor DORSEY.

VII. DEPARTMENT OF MATERIA MEDICA AND THERAPEUTICS.

Materia Medica is taught in a series of lectures, quizzes, and recitations, with demonstrations and experimental studies. There is also a laboratory study of the most useful methods of preparing drugs for medicinal purposes, with experimental studies of their therapeutic or toxic action. The course is richly illustrated throughout. Abundant practice is given in prescription writing. The great clinic, to which students have access all the year, gives abundant opportunity to witness the application and therapeutic effects of drugs, and for clinical practice.

SECOND YEAR.

(a) The sources and various forms of drugs. General and local action of drugs. Agencies that modify the action of drugs. The art of prescribing medicines. A critical study of about one hundred drugs, classified as to their therapeutic and toxic action, with a special laboratory study of escharotics, germicides, antiseptics, deodorizers, etc. Systemic medication for dental purposes. Dental prophylaxis. The use of germicides, antiseptics, escharotics, and astringents in dentistry. Two lectures a week. First Semester.
Professor MAWHINNEY.

(b) Theses. In addition to the above outline, each student is required to write ten theses, of not less than three hundred words each, on subjects as signed.

(c) Clinical Practice. The Infirmary is open to junior students four hours a day for the observation of conditions requiring the use of drugs and for clinical practice in treatments, and each student is required to make fifty points in clinical experience. See also Department of Special Pathology and Therapeutics.

VIII. DEPARTMENT OF BACTERIOLOGY.

This is a combined lecture, recitation, and laboratory course. The equipment includes culture ovens, sterilizers, conveniences for handling test tubes and for making culture media.

THIRD YEAR.

(a) Principles of Bacteriology. The preparation of culture media. Management of laboratory cultures. Distinguishing of laboratory cultures. Physiology of micro-organisms. Poisons produced. Diseases caused by micro-organisms, particularly those of the teeth and mouth. Susceptibility and immunity.
One lecture or recitation a week through the year.
Dr. WILLARD.

(b) Laboratory. Preparation of culture media. Planting and management of cultures. Separation of species in mixed cultures. Deriving pure cultures from infected animals. Cultures from saliva, from mucous membranes, and from carious teeth. Staining, mounting, and microscopic studies. Diagnosis of unknowns.
Six hours a week through the year.
Dr. WILLARD and Dr. POUNDSTONE.

IX. DEPARTMENT OF PROSTHETIC DENTISTRY.

The Prosthetic Technic Laboratory and the Junior Prosthetic Laboratory are situated on the fifth floor, while the Senior Prosthetic Laboratory is situated on the sixth floor, adjacent to the Crown and Bridge room. All are well supplied with outside light, as well as a complete electrical equipment for light on dark days.

Each of these laboratories is furnished with electric lathes for grinding and polishing, and in the Junior Laboratory there is a complete equipment of the heavier laboratory appliances, such as vulcanizers, celluloid presses, apparatus for casting aluminum plates, etc. The Senior Laboratory and the Crown and Bridge room are equipped with three electric and two gasoline furnaces for porcelain work, and swaging devices of various kinds for inlay and seamless crown work. The Crown and Bridge room, where practical prosthetic operations are carried on, is equipped with thirty modern chairs.

FIRST YEAR.

(a) Prosthetic Technics. This course covers in detail the fundamental principles of denture construction and crown and bridge work, and accompanies the laboratory course.
One lecture a week. First Semester.
Professor PROTHERO.
One hour quiz or recitation a week. First Semester.
Dr. H. M. CRAIG.

(b) Laboratory course. Impression taking, model constructing, occluding, waxing, flasking, packing, vulcanizing, and finishing partial and full artificial dentures.
Nine hours a week. First Semester.
Professor PROTHERO, Dr. H. M. CRAIG, and Dr. METHVEN.

(c) Metallography. A descriptive course on the nature and physical properties of metals, especially those used in dentistry, with fundamental principles of their uses. It includes also the manipulation of metals, swaging, annealing, solders and soldering, welding, tempering.
One lecture a week. Second Semester.
Professor PROTHERO.

(d) Quiz or recitation on the work of Courses (a), (b), and (c).
One hour a week. Second Semester.
Dr. H. M. CRAIG.

(e) Laboratory course. Construction of dies and counter dies. Swaging metal bases of German silver. Attaching teeth by soldering and by vulcanite. Construction of crowns and dummies, all metal and metal and porcelain. Assembling individual crowns and dummies to form bridges. Constructing and tempering taps and dies of steel. Drawing wire and tubing suitable for the construction of orthodontia appliances.
Nine hours a week. Second Semester.
Professor PROTHERO, Dr. H. M. CRAIG, and Dr. METHVEN.

SECOND YEAR.

(f) Review of Technic principles outlined in first year. Application of these to the practical operations in the Infirmary. A study of the physical properties of plaster of paris, and other materials employed in

prosthesis. Muscles of mastication. Force of the bite. Movements of the lower jaw. Natural arrangement and occlusion of artificial teeth.
One lecture a week through the year.
Professor PROTHERO.

(g) Quiz or recitation.
One hour a week through the year.
Dr. METHVEN.

(h) Laboratory course. Construction of full and partial metal base dentures, with teeth attached by soldering and by vulcanite. Construction and application of clasps to partial dentures. Advanced work in crowns and bridges.
Nine hours a week through the year.
Professor PROTHERO, Dr. WALDBERG, and Dr. METHVEN.

(i) Prosthetic Clinic. Each student is required to undertake and carry to completion a number of practical cases for patients representing each of the various classes of prosthesis, the minimum representing fifty points.
Professor PROTHERO, Dr. CHRISTIE, and Dr. WAGONER.

THIRD YEAR.

(j) A critical review. Summary of recent methods and appliances. Application of porcelain in prosthesis. Baked porcelain crowns. Porcelain bridges, full porcelain dentures. Methods of cavity preparation for porcelain inlays; forming, baking, and setting porcelain inlays. During this course the student is assigned a series of articles for reading, and is required to present a thesis covering the subject named.
One lecture a week through the year.
Professor PROTHERO.

(k) Laboratory course. Cast aluminum base dentures. Celluloid dentures. Banded Logan crowns. Baked porcelain crowns. Porcelain bridges. Continuous gum dentures.
Six hours a week. First Semester.
Dr. WALDBERG and Dr. METHVEN.

(l) Prosthetic Clinic. Practical pieces of prosthetic work of all varieties made and fitted for patients in the Infirmary, with studies of the conditions of the mucous membranes. The preparation of roots for

crowns and the abutments for bridges. Making and setting crowns and bridges. Preparation of cavities and setting porcelain inlays, etc. The minimum requirement is one hundred points.
Professor PROTHERO and assistants.

The Infirmary is open to students from 10:30 to 5:30 o'clock each day during term time. This period is divided between the Prosthetic and the Operative Departments, and text-book work and general reading.

X. DEPARTMENT OF ORTHODONTIA.

Orthodontia is taught both didactically and clinically. Proceeding from the normal occlusion, derangements of alignment of the teeth and malformations of the dental arch are systematically classified and mechanical arrangements of fixtures to bring the several classes of irregularities into normal form are carefully studied.

Text-books: Angle, Guilford, Knapp.

Lantern slides from photographs, X-ray pictures, and models of cases are used.

THIRD YEAR.

(a) Occlusion and facial art, etiology, classification, diagnosis of mal-occlusion. The alveolus and alveolar processes, the peridental membranes, use of models, etc.
One lecture a week. First Semester.
Dr. SELLERY.

(b) Regulating appliances (Angle, Guilford, Knapp), anchorages, jack screws, levers, traction screws, extension arch and combinations, split plates, reciprocal anchorages, retention. Illustrated with models, with movable teeth and enlarged appliances. Stereopticon views, illustrating progressive regulation and final fixation.
One lecture a week. Second Semester.
Dr. SELLERY.

(c) Clinic or Infirmary course open to students during first and second semesters for practical work in the correction of practical cases.
Dr. SELLERY and assistants.

XI. DEPARTMENT OF OPERATIVE DENTISTRY.

Operative Dentistry in some of its forms of presentation is before the student from the time he enters the school to his graduation. In the first year it is presented in the form of a study of the human teeth, or dental anatomy, the forms and nomenclature of the instruments used in operations on the teeth, of the preparation of cavities for filling, of filling materials and their manipulation.

In the second year, there is a lecture course with demonstrations on the technical procedures in filling teeth, and the student begins practical operations in the clinic room.

In the third year, there is a review of the technical procedures in filling operations, followed by a careful study of the pathology of dental caries, and the adaptation of means to its amelioration and cure.

The Clinic Rooms, built especially for the purpose, are well equipped with Columbia operating chairs in ample number for the classes, and have abundant room with the best of light.

FIRST YEAR.—(Operative Technic Course).

(a) Nomenclature. Descriptive Anatomy of the Human Teeth.
One lecture or recitation a week. First Semester.
Dr. GETHRO.

(b) Laboratory Course. Studies of the forms of individual teeth. Carving the tooth forms in bone or ivory. Dissections and studies of the internal parts,—pulp chambers and root canals.
Nine hours a week. First Semester.
Dr. GETHRO and Dr. CONVERSE.

(c) Instruments and Instrumentation. A study of instrument forms, instrument construction, and the adaptation of instruments to the excavation of cavities.
One lecture a week. One-third of a Semester.
Dr. GETHRO.

(d) Laboratory course.
Nine hours a week. One-third of a Semester.
Dr. GETHRO and Dr. CONVERSE.

(e) Cavity Nomenclature. A study of the location of cavities in extracted teeth, of the forms of prepared cavities, of the naming of the internal parts of cavities, and of the use of instruments in their preparation.
One lecture a week. One-third of a Semester.
Dr. GETHRO.

(f) Laboratory course.
Nine hours a week. One-third of a Semester.
Dr. GETHRO and Dr. CONVERSE.

(g) Filling Materials and Filling Teeth.
One lecture a week. One-third of a Semester.

(h) Laboratory practice with filling materials, and filling prepared cavities in extracted teeth, ivory, or bone.
Nine hours a week. One-third of a Semester.
Dr. GETHRO and Dr. CONVERSE.

SECOND YEAR.

(i) Technical Procedures in Filling Teeth. Cavity Nomenclature. Cavity preparation. Principles, instruments and appliances, and instrumentation. Cavity preparation, by classes of cavities. Filling materials. Instruments and instrumentation, physics of filling operations, and finishing fillings. Porcelain inlays; preparation of cavities; formation of matrix; making and inserting inlays; gold inlays. Filling with amalgam, cements, gutta-percha, etc. Exposure and removal of dental pulp. Preparation and filling of root canals.
Two lectures and recitations a week through the year.
Professor HARPER.

(j) Operative Clinic. Open to junior students four hours a day during entire session. Operations amounting to seventy-five points required.
Professor of Operative Dentistry and assistants.

THIRD YEAR.

(k) Review of Technical Procedures in Filling Teeth
Two lectures a week. First Semester.
Professor BLACK.

(l) Pathology of dental caries. Bacteriology of human mouth. Causative relation of bacteria to dental caries. Caries of enamel. Caries of dentin. Inception and progress of dental caries. Conditions of the beginnings of caries. Systemic causes of caries. Susceptibility and immunity to caries. Vital phenomena in

caries. Hyperaesthesia of dentin. Treatment of dental caries. Curative effect of fillings. Selection of filling materials.
Two lectures a week. One-half of a Semester.
Professor BLACK.

(m) Management of patients. Cleanliness. Evil habits in chewing food, and its correction. Management of special conditions. Caries of children's teeth and its treatment; shedding of the deciduous teeth. Management of children. Erosion. Management of cases of erosion. Management of cavities by classes. Extension for prevention and its limitations. Management in special conditions. Esthetic considerations.
Two lectures a week. One-half of a Semester.
Professor BLACK.

(n) Quizzes and recitations.
One hour a week through the year.
Dr. WILLARD.

(o) Operative Clinic. Open to senior students from 10:30 to 5:30 o'clock daily during term time. Operations amounting to one hundred and fifty points are required.
Professor of Operative Dentistry and assistants.

(p) Special Fillings. In this course fillings are made under the instruction and immediate observation of the special demonstrators, and later full written descriptions of the conditions indicating the operation, the instrumentation and instruments used, are submitted for grading as to excellence.
Dr. MACFARLANE and Dr. BIRKLAND.

THE OPERATIVE INFIRMARY CLINIC is under the direct supervision of the Professor of Operative Dentistry. The student begins this work with the beginning of his junior year, and continues it to the end of the senior year, the time given to it being much greater in the senior year than in the junior. It is the intention that this infirmary practice shall be as much like an actual dental practice as possible. The development of the ability to obtain and hold a practice, or that professional comity between an operator and his patients essential to personal success, is regarded as parallel in its importance to the future of the student with the development of manipulative ability.

SUMMER CLINICS.—The clinic rooms will be open all the year for

the benefit of students who may wish to have greater experience in clinical practice under competent supervision. The number of demonstrators during the summer will be ample for the class that may choose to remain with the school. The clinical material is abundant and a most excellent opportunity is afforded for clinical practice.

XII. DEPARTMENT OF SPECIAL PATHOLOGY AND THERAPEUTICS.

In this department the diseases and conditions of the soft tissues of the teeth and the immediate surrounding tissues and mucous membranes of the mouth, are given especial attention and study.

THIRD YEAR.

(a) A review of the structure and functions of the dental pulp. Hyperemia and inflammation of the pulp. Capping exposed pulps. Obtunding sensitive dentin. Pulp devitalization. Pulp removal. Treatment of canals. Root filling. Suppuration. The healing process. Immunity and susceptibility. Suppuration of the dental pulp. Alveolar abscess. Absorption of roots of teeth and of bone. Caries of bone. Necrosis. A study of germicides and antiseptics with laboratory tests. Bleaching teeth.
Two lectures a week. First Semester.
Professor MAWHINNEY.

(b) Quizzes and recitations.
One hour a week. First Semester.
Dr. ELLIS.

(c) Peridental membranes. Review of histological structures. Simple gingivitis. Calcic inflammation. Phagedenic pericementitis. Replantation and transplantation of teeth. Functions of the mucous membranes of the mouth. Stomatitis. Prophylaxis. Mouth hygiene.
Two lectures a week. Second Semester.
Professor MAWHINNEY.

(d) Quizzes and recitations.
One hour a week. Second Semester.
Dr. ELLIS.

(e) Clinical Practice. In addition to the above courses, senior students are required to make one hundred

and fifty points in practical treatments in the Infirmary clinic, and to send in for examination and criticism a complete history and treatment record of each of ten cases. Professor MAWHINNEY is in the Infirmary one-half day each week to superintend this work.

XIII. DEPARTMENT OF ORAL SURGERY.

The course embraces instruction in the general principles of surgery and their practical application to pathological conditions occurring about the mouth and face, giving special attention to diagnosis and recognition of conditions requiring surgical interference.

THIRD YEAR.

(a) Surgical Bacteriology. Inflammation. Suppuration. Wounds. Hemorrhage. Necrosis. Caries of bones. Diseases of the Maxillary Sinus. Resection of roots. Tetanus. Ankylosis. Arthritis. Facial Neuralgia. Fractures. Dislocations. Extraction of teeth. Malposition of third molars. Impacted teeth. Replantation, transplantation, and implantation of teeth. Cleft palate and harelip. Affections of the lips, tongue, and mouth. Tumors. Odontomes. Ranula. Cysts. Aneurisms.
One lecture a week through the year.
Professor GILMER.

(b) Recitations and quizzes.
One and a half hours a week through the year.
Dr. ARTHUR D. BLACK.

(c) Surgical Clinic.
Two hours a week through the year.
Professor GILMER and assistants (nurses from St. Luke's Hospital).

(d) Special Clinical Instruction. Diagnosis and case histories.
One hour a week through the year.
Dr. ARTHUR D. BLACK.

(e) After treatment of surgical cases by students, under direction of Professor GILMER.

(f) Clinic in the extraction of teeth, daily. Open to juniors and seniors.
Dr. HARRISON.

Anaesthetics and Anaesthesia.—This subject is presented in detail in lectures, experimentally on animals and clinically in the oral surgery clinic, and daily in the extracting clinic. Nitrous oxide is used generally in the extracting clinic, and ether and chloroform in the oral surgery clinic. Local anaesthesis is exhibited frequently in clinic in cases to which it is adapted.

(g) The evolution of general surgical anaesthesia. State of the patient. Nature of operation. Choice of anaesthetic. Prolonged dental operations. Circumstances of administration. Inspection and examination of patients. Consideration of general anaesthetic agents. Local and regional anaesthetics. Dangers of anaesthesia.
One hour a week. Second Semester.
Dr. WRIGHT.

(h) Clinical administration of anaesthetics in oral surgery clinic.
Two hours a week through the year.
Dr. WRIGHT.

(i) Clinical exhibition of nitrous oxid anaesthesia in extracting clinic daily during term.
Dr. HARRISON.

XIV. DEPARTMENT OF PROFESSIONAL ETHICS AND DENTAL JURISPRUDENCE.

This work consists of a brief statement of the important principles of morals, an exposition of the special duties and moral obligations of professional men in respect to their patients, toward their fellow practitioners, and toward the public, the more important differences between the professions and businesses or manufacturing pursuits, with reference to the ethical standards that are right and appropriate in each.

The lectures on Jurisprudence, will, in the main, follow the text-book by Dr. Rehfuss. It will include qualifications and duties of expert witnesses, the importance of dental records, the limitations of dental practice, the qualifications required and the liabilities incurred, the penalties that may be suffered, and the defense to be made in case of real or

supposed malpractice; the laws respecting the practice of dentistry, the steps necessary to become legal practitioners, the duties and liabilities of dentists with reference to the law, etc.

THIRD YEAR.

(a) Elementary principles of ethics. Professional ethics. State laws relating to dentistry. Illinois Dental Law. Dental Jurisprudence. General review.
One lecture a week. First Semester.
Professor EDMUND NOYES.

REQUIREMENTS FOR GRADUATION.

The degree of Doctor of Dental Surgery is conferred on such students as complete the course of instruction. Candidates must attend three full annual courses of lectures, the last of which must be in this school, and must pass satisfactory examinations in all the subjects of study.

Candidates entering this school in October, 1903, and thereafter, will be required to complete *four* full years of work in separate annual courses before graduation.

To be admitted to a degree, a candidate must be twenty-one years of age, and must be of good moral character.

No student will be recommended for a degree who has not paid all fees in full.

The monthly reports of the quizzes and the infirmary practice of the students will bear very materially upon their standing at all examinations.

THE LIBRARY AND READING ROOM.

The Library and Reading Room occupies, with the attached Journal and Professors' Reading Room, three thousand feet of floor space, with reading tables and chairs for the accommodation of about one hundred students at one time. The Library contains 2,513 volumes of books on dental and collateral subjects, with a rich supply of dictionaries and encyclopedias conveniently placed in the Reading Room for easy consultation, and nearly all of the dental journal literature in the English language, with about 10,000 duplicate numbers. Many of the books most used by students are duplicated up to twelve, and a few to fifteen copies. The books and journals may be used by students in the Reading Room without restriction, other than that necessary for the proper care of the books, and also, when the duplication of volumes will allow, may be used as a circulating library.

THE MUSEUM.

The Museum of the Dental School is in the Reading Room and is fully open to inspection and study at all reasonable times. The cases are arranged to show the specimens to the best advantage.

The comparative anatomy specimens are, with the exception of full skeletons of the gorilla and chimpanzee, heads with the teeth. There are a sufficient number of varieties of each of the several orders to give specimens of every kind of tooth form and variety of placement known in mammals, saurians, and snakes, with a very rich variety of fishes.

The principal specimens of the human skull are, first, a most excellent mounting of the separated bones of the adult; second, a fine set of dissections in a series showing the development of the teeth and their roots from their first appearance in the fetus to the full adult development, and illustrating the absorption of the roots of the deciduous

teeth, the shedding process, and the replacement by permanent teeth; also the absorption of the alveolar processes after the loss of teeth, with the changes that occur in the form of the bones of the jaws from childhood to old age. This is an exceptionally complete, handsome, and valuable set of specimens. There is also a considerable number of ordinary human skulls.

The museum also contains a valuable collection of abnormal forms of human teeth; a very full and complete collection of specimens illustrating interproximate wear and flattening of interproximate contact; some illustrations of the very early forms of artificial teeth, of manufactured porcelain teeth, and of dental instruments, illustrating the development in these lines. These parts of the museum have been collected largely in the school by its students, its alumni, and through donations of specimens by members of the dental profession.

FEES AND EXPENSES.

This schedule is in effect until May, 1904. All fees are payable in advance.

FIRST YEAR.

Matriculation Fee	$ 5.00
General Ticket	100.00
Histological Laboratory Ticket	5.00
Dissecting Fee (1 part)	10.00

SECOND YEAR.

Matriculation Fee	$ 5.00
General Ticket	100.00
Histological Laboratory Ticket	5.00
Dissecting Fee (1 part)	10.00

THIRD YEAR.

Matriculation Fee	$ 5.00
General Ticket	100.00
Final Examination Fee	20.00

When so desired, the tuition fees may be paid in two instalments, but in such cases an additional charge of five

dollars will be made. When the fee is so divided, sixty-five dollars must be paid on or before the twentieth day of October, and sixty dollars on or before the twentieth day of January. These conditions cannot be modified except upon the written consent of the proper officials of the University.

A fee of five dollars for the first year and of eight dollars for the second year must be deposited to cover chemicals and breakage in the Chemical Laboratory.

It is desirable for students to register early, since the order of the assignment of seats is based upon the order of admission.

For further information relating to the Dental School, address, Northwestern University Dental School, Northwestern University Building, Lake and Dearborn Streets, Chicago, Illinois.

THE SCHOOL OF MUSIC.

EVANSTON.

FACULTY.

EDMUND JANES JAMES, PH.D., LL.D., *President.*

PETER CHRISTIAN LUTKIN, MUS. D., *Dean, Professor of Organ, Theory, and Composition.*

HAROLD EVERARD KNAPP, *Director of the Violin Department, Professor of Violin and Ensemble Playing.*

SAIDEE KNOWLAND COE, *Professor of Piano and Musical History.*

ARNE OLDBERG, *Professor of Piano and Composition.*

KARLETON HACKETT, *Director of the Vocal Department, Instructor in Voice Culture.*

WILLIAM HENRY KNAPP, *Instructor in Voice Culture.*

WALTER KELLER, *Instructor in Piano and Organ.*

MARGARET CAMERON, *Instructor in Piano.*

*ELIZABETH RAYMOND, *Instructor in Piano.*

NINA SHUMWAY KNAPP, *Instructor in Piano.*

LOUIS NORTON DODGE, *Instructor in Piano and Theory, Director of the Preparatory Department.*

ANTHONY STANKOWITCH, *Instructor in Piano and Clavier Method.*

HARLAN JOHN COZINE, *Instructor in Voice Culture, Sight-Reading, and Choral Music.*

LEWIS RANDOLPH BLACKMAN, *Instructor in Violin.*

DAY WILLIAMS, *Instructor in Violoncello.*

WALFRIED SINGER, *Instructor in Harp.*

ALFRED GEORGE WATHALL, *Instructor in Harmony.*

CHARLES JOSEPH KING, *Instructor in Clarinet, Oboe, and Bassoon.*

WILLIAM COLE, *Instructor in Flute.*

CHARLES S. HORN, *Instructor in Cornet.*

* On leave of absence.

Katherine Hebbard, *Assistant Instructor in Piano.*
Winifred Hull, *Assistant Instructor in Piano.*
Charles John Haake, *Assistant Instructor in Piano.*
Hila Verbeck Knapp, *Assistant Instructor in Piano.*
Carrie Dixon Barrows, *Assistant Instructor in Piano.*
Bertha Althea Beeman, *Assistant Instructor in Voice and Piano.*
Maude Juliet Marceau, *Assistant Instructor in Piano.*
Ellen Green Fisk. *Instructor in Physical Culture.*

Irving Hamlin, *Secretary.*

LOCATION AND PURPOSE.

The School of Music was established in 1895. It offers extensive courses in the practical and theoretical study of music, and is designed to fit students for the profession as composers, theorists, artists, teachers, or critics. It also makes provision for the study of music as a part of general culture or as an accomplishment.

The school occupies its own building on Willard Hall Campus immediately to the north of Willard Hall. This building was erected during the year 1897 for the especial needs of the Music School.

COURSES OF INSTRUCTION.

The following courses are offered:

I. A Course in Applied Music, leading to the Degree of Graduate in Music.
II. A Course in the Theory and History of Music, leading to the Degree of Bachelor of Music.
III. A Post-Graduate Course.
IV. A Literary-Musical Course.

SPECIAL STUDENTS.

The school also provides instruction from the elementary to the advanced stages, for those not desiring to enter the regular courses, in which case no examinations or special requirements are necessary. Such students are known as *special students,* and may enter at any time for one term or the unexpired portion of a term.

DESCRIPTION OF COURSES AND REQUIREMENTS FOR ADMISSION.

I. COURSE IN APPLIED MUSIC.

This course includes the practical study of piano, organ, violin, or voice, with the addition of certain theoretical and literary studies as enumerated below. It is designed to equip the candidate for professional work. Moderate attainments, representing on an average one year's systematic training in singing, or two to three years' in instrumental music, and a reasonable familiarity with all major and minor scales and keys, are necessary to enter this course to advantage. On the satisfactory completion of the course, a diploma, conferring the degree of Graduate in Music, is given. For students who are in advance of the entrance requirements, it is possible to complete the course in three years but ordinarily four years are required. If the first and second years' work are satisfactorily completed, a certificate is issued which is equivalent to the so-called "teacher's certificate" of many schools of music. An additional requirement for this certificate is the public performance of a program according to the outline given on page 283 under the heading of "Certificate of Performance."

As a condition of graduation, the student is required to complete sixty year-hours of work, based upon the schedule of credits below, an hour of credit being given for the satisfactory performance of work equivalent to one exercise a week through one year. Advanced credit will be allowed

upon any subject where satisfactory evidence is given that its pursuit is unnecessary. A certificate of high school graduation exempts the student from the literary requirements of the first and second years, these years being of Academy grade. The third and fourth years are of College grade, and candidates are expected to fulfill the conditions necessary to enter the College of Liberal Arts at least as "special students." Students have the option of selecting more advanced literary work than that specified in their music grade, if they have the ability to carry it.

SCHEDULE OF STUDIES.

FIRST YEAR.

	HOURS.
Harmony	2
Musical History	2
Vocal Sight-reading and Dictation	1
Keyboard Harmony	1
Instrumental Sight-reading	1
English (Academy)	3
Applied Music	5

SECOND YEAR.

	HOURS.
Harmony	1
Musical Form	1
Counterpoint	2
Analysis	1
Vocal Sight-reading and Choral Practice	1
Ensemble Playing and Accompaniment	1
French, German, or English (Academy)	3
Applied Music	5

THIRD YEAR.

	HOURS.
Harmony	2
Analysis	1
Counterpoint	1
Canon and Fugue	1

	HOURS.
Ensemble and Accompaniment	1
English Language, English Literature, or a Foreign Modern Language (College of Liberal Arts)	4
Applied Music	5

FOURTH YEAR

	HOURS.
Ensemble Playing	2
Reading from Score	1
Illustrated Lectures in Musical History	1
English Literature (College of Liberal Arts)	3
A Foreign Modern Language (College of Liberal Arts)	3
Applied Music	5

In addition, candidates for graduation must satisfactorily perform programs conforming to the following requirements:

For Piano Students:

A concerto of advanced difficulty.
One of the later Beethoven sonatas.
A prelude and fugue (five-voiced) from Bach's well-tempered Clavichord.
Two Chopin etudes.
Selections from the more important works of Schumann and Brahms.

For Organ Students:

One of the great preludes and fugues of Bach.
A sonata of Guilmant or Rheinberger.
Selections from the works of Thiele, Widor, Merkel, or Franck.

For Violin Students:

A Bach sonata.
A concerto of advanced difficulty.
A modern sonata for piano and violin.
Selections from the more important works of Vieuxtemps and Wieniawski.

For Vocal Students:

An operatic aria.
An aria from Handel's Messiah or Haydn's Creation.
An aria from a modern oratorio.
Group of Songs from Brahms, Jensen, Schumann, Schubert, or Franz.

II. COURSE IN THE THEORY AND HISTORY OF MUSIC.

This course is intended for composers and theorists. The requirements for entrance are a knowledge of the rudiments of music in regard to notation and rhythm, and reasonable familiarity with all major and minor keys and scales, and the ability to play at least hymn music on the keyboard.

The course includes all subjects enumerated under the head of Music, on pages 128-131 and in addition the literary work embraced in Course I, as well as work in Mathematics, and in Physics in its relation to the phenomena of sound.

At the close of this course, which embraces four years' study and leads to the degree of Bachelor of Music, the candidate is required to compose a work of considerable length, introducing solos and a tonal fugue in at least four parts, for chorus and orchestra, of such merit as to be satisfactory to the faculty in both its technical and artistic aspects.

III. POST-GRADUATE COURSE.

This course enables candidates to pursue their studies either in preparation for artistic concert performance, or in extending their knowledge of the musical classics. To the composer it gives ample opportunity for drill and experience in the higher and more complicated musical forms.

IV. LITERARY MUSICAL COURSE.

This course is intended for students of high school age. It includes the more essential subjects necessary for general culture, and permits the study of music for two hours

daily. It consists of the four-year course in the Academy, substituting the study of Music for one-fourth of the required literary work. The studies include Latin, Physiology, Algebra, English, Grecian and Roman History, Greek, Biology, Plane Geometry, Physics, German, and French. Music is to be continuously and satisfactorily pursued during the entire course, and at least two hours a day devoted to its study. The student will come under the jurisdiction of the Academy, and will receive its diploma upon passing the necessary examinations. For particulars, other than musical, the circular of the Academy of Northwestern University should be consulted.

Students in this course pay the full Academy tuition fee. They will pay for their music tuition according to the "Special Student Fees" on page 286, less a rebate of $16.00 a year.

CERTIFICATE OF PERFORMANCE.

To students who have studied at least two years in the school and can creditably perform a program in their specialty, a Certificate of Performance will be given, stating the degree of proficiency. The minimum requirements are as follows:

For Piano Students:

Beethoven, a complete sonata.
Bach, a fugue or three-voiced invention.
Mendelssohn, Schumann, and Chopin, characteristic pieces of average difficulty.
Two selections from more modern composers.

For Organ Students:

Bach, prelude and fugue.
Mendelssohn, sonata complete.
Two groups of pieces drawn from the modern English and French schools.

For Violin Students:

A sonata for piano and violin from Haydn, Mozart, or Beethoven.
Two groups of solo pieces of average difficulty.

For Vocal Students:

An oratorio aria.
A group of songs from the classic composers.
A group of songs from modern composers.

METHODS OF INSTRUCTION.

Attention is called to the fact that instruction in instrumental and vocal music is based upon private lessons, and not upon the so-called "conservatory" or "class" system. Artistic results are entirely dependent upon a close adaptation to the individual needs of the pupil, and cannot be satisfactorily accomplished in classes. No two students have the same mental, physical, or artistic capacity, and their individual capabilities can be neither properly nor fully developed without painstaking personal attention. The only real advantages of the class system—those of emulation and observation—are fully provided for by the system of weekly solo classes.

DIPLOMAS AND CERTIFICATES.

Upon the recommendation of the Faculty, diplomas will be given to students completing Course I or II, and certificates to those completing the first two years of Course I or the first three years of Course II. The fee for a diploma is $8.00; for a certificate, $5.00.

FREE ADVANTAGES.

The classes in Sight-reading, the Chamber Music and Faculty Concerts (excepting the Artists' Series), numerous recitals, and lectures in the School of Music and other departments of the University are free to the students of the School of Music.

FEES AND EXPENSES.

For students taking the regular courses a fixed fee for the term is charged as noted below. In Course I, this fee covers two half-hour private lessons a week (instrumental or vocal, as the case may be) from the head teachers, and the required classes in harmony, musical history, sight-reading, counterpoint, musical form, analysis, etc. In the second and fourth years there is an extra fee of five dollars a term for ensemble or orchestra practice. The amount of such work is determined by the Faculty and is in no case less than two terms a year. Students not taking full work will find the fees tabulated under the heading "Special Student Fees."

Matriculation Fee.—A matriculation fee of five dollars is charged on entering the *regular courses.* It is paid but once.

Incidental Fee.—A fee of twenty-five cents a term is charged each student entering the school. This fee covers admission to the Artists' Series of concerts.

The school year is divided into two semesters of eighteen weeks each, the semesters being subdivided into two terms of nine weeks each, thus making four terms of nine weeks each in the school year.

TERM FEES.

For Course I, including two half-hour private lessons a week under leading instructors (with the exception of the Director of the Vocal Department)	$45 00
Extra Fee for Ensemble Class, second and fourth years of Course I	5 00
Lessons in Voice Culture from the Director of the Vocal Department	55 00
For Course II	15 00
For Course III, according to "Special Student Fees."	
For Course IV, see page 283.	

SPECIAL STUDENT FEES.

CHARGES BY THE TERM FOR PRIVATE LESSONS.

	Two half-hour lessons a week.	One half-hour lesson a week.
Karleton Hackett (Voice)	$54 00	$30 00
Professor Coe (Piano)	40 00	22 00
Professor Arne Oldberg (Piano)	40 00	22 00
H. J. Cozine (Voice)	40 00	22 00
Professor H. E. Knapp (Violin)	31 50	17 00
W. H. Knapp (Voice)	27 00	15 00
Day Williams (Violoncello)	27 00	15 00
Margaret Cameron (Piano)	27 00	15 00
Walter Keller (Piano or Organ)	27 00	15 00
Nina S. Knapp (Piano)	20 00	11 00
L. N. Dodge (Piano or Theory)	20 00	11 00
L. R. Blackman (Violin)	18 00	10 00
W. Z. Cole (Flute)	18 00	10 00
C. J. King (Clarinet)	18 00	10 00
Charles S. Horn (Cornet)	18 00	10 00

CLASS LESSONS BY THE TERM.

Full Theoretical Course	$15 00
Half Course	8 00

COACHING LESSONS IN KEYBOARD HARMONY OR INSTRUMENTAL SIGHT-READING.

Class of Two	$5 00 a term.
Private Lessons	10 00 " "

VOICE CULTURE CLASSES.

In Class of Five	$10 00 a term.
In Class of Ten	5 00 " "

MISCELLANEOUS.

Ensemble Classes	$5 00 a term.
Physical Culture Class	5 00 " "
Sight-reading Class (to students taking no other work)	1 50 " "

PIANO PRACTICE.

Each hour of daily practice	$2 50 a term.

ORGAN PRACTICE.

Each hour of daily practice, including blowing..... $10 00 a term.
Pedal Piano ..... 5 00 " "

NOTE.—A discount of twenty-five per cent. is allowed to the immediate members of a minister's family for private lessons. It is not allowed for class instruction or practice.

Lessons falling upon legal holidays or missed through the fault of the student are only made up at the convenience of the instructor. No deductions will be made to pupils for absence from lessons. In cases of protracted illness, when due notice is given, the lessons missed will be transferred to a subsequent term, or the loss will be divided with the student.

Tuition is payable *strictly in advance* at the University office, 518 Davis Street. Checks may be drawn payable to Northwestern University.

PREPARATORY DEPARTMENT.

A Preparatory Department is maintained by the School of Music where excellent instruction is given in piano, organ, voice, or theory. The corps of instructors is made up for most part of graduates and undergraduates of the school, classified respectively as Assistant Instructors and Student Instructors. The terms agree with those of the regular school, being nine weeks in length. Tuition rates are as follows:

	Two half-hour lessons a week.	One half-hour lesson a week.
Assistant Instructors	$15 00	$8 50
Student Instructors	10 00	6 00

For particulars see the special circular of this department.

For further information and special circulars relating to the School of Music, address, Northwestern University School of Music, Evanston, Illinois.

THE ACADEMIES.

NORTHWESTERN ACADEMY.

EVANSTON.

FACULTY.

REVEREND HERBERT FRANKLIN FISK, D.D., LL.D., *Principal.*

REVEREND JOSEPH LELAND MORSE, A.M., *Assistant Principal.*

ADA TOWNSEND, A.M., *Instructor in Latin.*

JULIA EARECKSON FERGUSON, *Instructor in Drawing.*

CLARA GRANT, PH.B., *Instructor in English.*

WALTER DILL SCOTT, PH.D., *Assistant Professor of Pedagogy and Psychology in the College of Liberal Arts, Supervisor of Practice Teachers.*

MARY LOUISE WILLIAMS, B.L., *Instructor in History.*

HENRY LEDAUM, A.M., *Instructor in French.*

EDWIN ALMIRON GREENLAW, A.M., *Instructor in English.*

ANN ESTELLE CARAWAY, PH.B., *Instructor in German.*

JANE NEILL SCOTT, A.M., *Instructor in Greek and Latin.*

FLOYD FIELD, A.M., *Instructor in Mathematics.*

WILLIAM ABBOTT OLDFATHER, A.M., *Instructor in Greek.*

FRANKLIN JESSE TRUBY, A.B., *Instructor in Physics and Manual Training.*

MYRON JAY ABBEY, A.B., *Instructor in Biology.*

*MERRILL BLANCHARD, A.B., *Instructor in Algebra and Athletics.*

ISABEL RUSSELL MORSE, PH.B., *Office Secretary.*

The Academy is located on the University Campus in Evanston, and occupies Fisk Hall, which was erected for its purposes in 1898. The special work of the school is to

* Resigned February 15, 1904.

prepare young men and young women for college. Besides this special work a general academic education is offered to those who cannot take a regular course, but who wish to prepare themselves for the study of law or of medicine, or for teaching in the public schools, or for business.

The course of study extends through four years. Students who give satisfactory evidence of having done thoroughly a part of the course before entering will be credited with that work. Students completing the course are admitted to the College of Liberal Arts on the certificate of the Principal.

The Academy provides instruction adequate for admission to college in the English, French, German, Latin, and Greek languages, in Mathematics, History, and Civics. It has a well-equipped Manual Training plant, and ample rooms completely furnished with apparatus for laboratory instruction in Mechanical and Electrical Physics, Zoölogy, Botany, and Physiography.

It also affords convenient facilities for college students to make up entrance conditions.

Five literary societies, three for young men and two for young women, have their homes in well furnished parlors in Fisk Hall and all of them are zealously active. The two Christian Associations maintain weekly meetings and in many ways serve the interests of the body of students. They welcome all who will to membership.

The departments of instruction are immediately supervised by the corresponding departments of instruction in the College of Liberal Arts. Those who wish to join with Academic studies, courses in Music or in Elocution, have convenient access to those departments, in which unsurpassed advantages are offered.

For further information, address The Academy, Evanston, Illinois.

GRAND PRAIRIE SEMINARY.

ONARGA, ILLINOIS.

EXECUTIVE COMMITTEE.

ELMER HULL, *Chairman.*

EDWIN LEWIS WHEELER, *Secretary.*

GEORGE BOOTH, PH.M.
BENJAMIN HARRIS DURHAM.
JOHN KIRKBRIDE EGLEY.
WILLIAM HARRY EGLEY.
AMOS JESSE NEWELL, M.D.
WILLIAM ALEXANDER RANKIN.
WILLIAM DURHAM RANKIN.
GEORGE FRANCIS BARNES, *ex-officio.*

FACULTY.

REVEREND FRANCIS GEORGE BARNES, A.B., D.D., *President, Instructor in Christian Evidences and Psychology.*

ARTHUR MATSON JAYNE, A.B., *Instructor in Natural Sciences.*

MARGARET CHESNEY, M.S., *Instructor in English Language and Literature.*

ELLEN P. MILLER, A.M., *Instructor in Latin and Pedagogy.*

FRANCES CHRISTINE RAWLINS, A.B., *Instructor in Greek and Latin.*

MARTHA EGLEY, A.B., *Instructor in German and History.*

GRACE GILBERT, *Instructor in Elocution and Physical Culture.*

STEPHEN D. VANBENTHUYSEN, *Instructor in Business Science, Shorthand, and Typewriting.*

BERTHA A. PERRY, *Instructor in Piano, Harmony, and Musical History.*

CLARA SHEEAN, *Instructor in Vocal Culture and Harmony.*

GWENDOLEN M. WATKIN, *Instructor in Drawing and Painting.*

Grand Prairie Seminary is a preparatory school of the University. It was founded in 1863 and was affiliated with Northwestern University in 1901.

It is situated in Onarga, Illinois, on the main line of the Illinois Central Railway, eighty-four miles south of Chicago.

The town is an ideal place for a school. It has no saloons and the community generally is noted for its high moral tone. It has good churches and a Public Library, which is at the disposal of the members of the school community.

The equipment of the Seminary consists of three buildings, a Recitation Hall for class instruction, the Auditorium for public exercises, and the Women's Dormitory and Boarding Hall. The school has a library of one thousand carefully chosen volumes of standard works of reference on Science, History, Biography, and Literature. It has laboratory facilities for instruction in Physics, Zoology, Botany, and Chemistry.

The Seminary offers courses in the Academic Department, Normal Department, School of Business, School of Music, Department of Oratory, and the Art Department.

For further information and full particulars, address, Grand Prairie Seminary, Onarga, Illinois.

ELGIN ACADEMY.

ELGIN, ILLINOIS.

TRUSTEES.

GEORGE P. LORD, *President of the Board.*

WILLIAM GROTE, *Vice-President of the Board.*

CHARLES RIPLEY HOPSON, *Acting Treasurer.*

*WILLIAM EUGENE BOSWORTH.
W. C. BRIDGE, M.D.
EDMUND JANES JAMES, PH.D., LL.D.
WILLIAM DEAN KIMBALL.
ANDREW ROVELSTAD.
JOHN SCHULER WILCOX.
ORA LEVANT PELTON, M.D.
JOSEPH THING LADD, D.D.
GEORGE EZRA COOK.
JOHN MARTIN BLACKBURN.

FACULTY.

GEORGE NEWTON SLEIGHT, A.B., B.PD., *Principal, Instructor in Greek.*

FLORENCE SARAH RAYMOND, B.S., *Instructor in Mathematics.*

SARAH ANNA PRATT, A.B., *Instructor in English.*

ANNA WELSH, A.B., *Librarian, Instructor in History.*

ROBERT ARCHIBALD CAMPBELL, B.S., *Instructor in Physics, Chemistry, and Botany.*

ERWIN WILLIAM ROESSLER, A.B., *Instructor in German and Latin.*

THEODORA C. B. DEAN, *Instructor in Elocution.*

GRACE ARLIE BARBER, *Principal of the Preparatory Department.*

EDWARD DANIEL MISNER, *Instructor in the Commercial Branches.*

LOTTA H. JAMES, *Instructor in Shorthand and Typewriting, and Assistant in English.*

BESSIE M. CASTELLO, *Instructor in Shorthand.*

ANNA BELLE MARKEL, *Assistant Librarian.*

*Deceased.

Elgin Academy was first opened for students December 1st, 1856, in a commodious building erected the year previous. Its charter, originally granted in 1839, was revised in 1855, and in this amended form is still in force. In 1903 the Academy was affiliated with Northwestern University.

The Academy is situated in the most elevated and healthful portion of the City of Elgin, a town of 22,500 inhabitants, on the main line of the Chicago and Northwestern Railway, about forty miles northwest of Chicago. The campus, covering an area of four acres, is delightfully shaded, and presents an attractive view.

The main building for the regular academic work is an imposing three-story brick structure. It is heated by steam throughout, lighted by electricity, and has the city water on two floors. The rooms are large, airy, and well lighted.

A large three-story building of brick, which was erected in 1888 through the generosity of Mrs. Vincent S. Lovell, for manual training purposes, is now used for science work and is known as the Lovell Science Hall.

This Academy offers to the youth of both sexes the best possible opportunities for a scholarly and practical education.

Its students are prepared for the leading colleges or for business. The surroundings are refining and christian. Open and frank relations are maintained between teachers and students. Instructors, whose interest in young people extends further than class-room duties, are alone secured. At no time will the Academy seek for a larger attendance than is consistent with thorough and personal work.

For further information, address Elgin Academy, Elgin, Illinois.

THE SCHOOLS OF THEOLOGY.

GARRETT BIBLICAL INSTITUTE.

EVANSTON.

FACULTY.

CHARLES JOSEPH LITTLE, PH.D., LL.D., *President, Professor of Historical Theology.*

MILTON SPENSER TERRY, D.D., LL.D., *Librarian, Professor of Christian Doctrine.*

SOLON CARY BRONSON, D.D., *Registrar, Professor of Practical Theology.*

CHARLES MACAULEY STUART, D.D., *Secretary, Professor of Sacred Rhetoric.*

DOREMUS ALMY HAYES, PH.D., D.D., *Professor of New Testament Exegesis.*

NELS E. SIMONSEN, D.D., *Principal of Norwegian-Danish Theological School.*

FREDERICK CARL EISELEN, A.M., B.D., *Professor of Semetic Languages and Old Testament Exegesis.*

ROBERT MCLEAN CUMNOCK, A.M., L.H.D., *Professor of Rhetoric and Elocution.*

JOHN J. RAPP, B.D., *Instructor in Greek and Hebrew.*

JAMES O'MAY, A.M., S.T.B., *Assistant Librarian.*

GARRETT BIBLICAL INSTITUTE, chartered in 1855, is a theological seminary which has, since 1856, been in close coöperation with Northwestern University. It is situated in Evanston, upon the University campus, and is open to young men from any evangelical church who are properly recommended as candidates for the Christian Ministry. It

was established especially as a seminary where young men of this class from the Methodist Episcopal Church might be educated. It is supported by income from property in the city of Chicago, bequeathed in 1853, as a perpetual foundation, by Mrs. Eliza Garrett. It invites to its care and instruction young men in the Church whom God has called to be His ministers.

REQUIREMENTS FOR ADMISSION.

Students not licensed to preach are received on the recommendation of their respective quarterly conferences, or temporarily, in failure of this, on a note from their pastor, promising the recommendation in due time. The form of recommendation authorized by the General Conference of the Methodist Episcopal Church is as follows:

> We, the members of the Quarterly Conference of.....
> .....hereby express our judgment that.....is called of God to the work of the ministry, and we recommend him to the care and instruction of Garrett Biblical Institute."

Applicants from other churches will need to bring such certificates as are usually given by the denominations to which they belong. Students from other theological seminaries may be admitted *ad eundem* on presenting satisfactory testimonials of equivalent work and honorable dismissal.

INSTRUCTION.

Those who enter the courses of instruction should have a thorough preparation. The College of Liberal Arts offers its advantages to those who require this preparation.

The aim is to embrace all departments of Theological Encyclopedia, as indicated in the following scheme:

A. EXEGETICAL THEOLOGY.

1. *Biblical Philology*—Hebrew and Greek Languages, and their cognates.

2. *Biblical Introduction*—Canonics, Criticism (higher and lower), Sacred Literature.

3. *Biblical Archæology*—Chronology, Ethnology, Geography, Antiquities.

4. *Hermeneutics*—(1) *General:* Study of words, Grammatical Forms, Styles, etc. (2) *Special:* Study of Figurative Language, Parables, Allegories, Types, Symbols, Prophecy, Apocalyptics.

5. *Exegesis*—Critical and expository study of the several books of the Bible.

6. *Biblical Theology*—Development of Biblical Doctrine as distinct from Historical and Systematic Theology.

B. HISTORICAL THEOLOGY.

1. *Sources*—Canonical and Apocryphal books of the Bible, Pseudepigraphal books, Sacred books of all nations. Archæological Monuments, Patristics, Symbolics, Liturgics, and Hymnology.

2. *External Development of the Kingdom of God*—Pre-Christian History of Israel and the Nations. Patriarchal period, Mosaic, Priestly, Regal, and Prophetic development, and Post-exilian Judaism, life and work of Christ, the Apostolic Age, and ancient, mediæval, and modern periods of the Christian Church.

3. *Internal Development*—Religious life and thought of the Church, its progress through the centuries, History of Doctrines, Comparative Religion and Theology, and Sociology.

C. SYSTEMATIC THEOLOGY.

1. *Metaphysics*—Psychology, Ontology.

2. *Apologetics*—Evidences and defenses of Revelation.

3. *Dogmatics*—Doctrine of God and Christology, Anthropology, Soteriology, Eschatology.

4. *Polemics*—The great issues of theological controversy.

5. *Irenics*—Methods of conciliating theological differences.

6. *Ethics*—Theoretical, Practical.

D. PRACTICAL THEOLOGY.

1. *The Ministry as an Institution*—Its call, functions, qualifications, preparation, maintenance, perils, safeguards.

2. *Homiletics*—History, science, and art of preaching, praxis, homiletical study of great preachers.

3. *Liturgics*—Forms of worship, conduct of services, administration of the Sacraments.

4. *Ecclesiastical Polity and Law*—Forms of church government, judicial administration, discipline.

5. *Pastoral Theology*—(1) *Catechetics:* Training of children and probationers, educational functions of the church, Sunday-schools, etc. (2) *Poimenics:* Pastoral care, shepherding the flock, details of the pastoral office. (3) *Church Activities:* Adaptation of the machinery of the church to the existing needs, benevolent work and social life of the church, employment of lay agencies, study of other religious institutions in their relations to our own.

6. *Halieutics*—Evangelistic methods, the work of extending the Kingdom within the Christian community, missions—domestic and foreign.

COURSES OF STUDY.

Two main courses of study are offered, as shown in the schedule below:

I. DEGREE COURSES.

There are two Degree Courses: one leading to the degree of Bachelor of Divinity, the other to the degree of Doctor of Philosophy.

1. *The B.D. Course.*—This is a three years' course arranged for classical graduates of approved colleges. Applicants, upon registration, are required to present their diplomas. Students, not graduates of colleges, may be admitted to this course, if, by examination not later than the close of the first term, they satisfy the Faculty of their classical and literary fitness to complete it. The degree of Bachelor of Divinity is conferred upon all who complete the course to the satisfaction of the Faculty.

2. *The Ph.D. Course.*—By an arrangement with the College of Liberal Arts of this University, the Institute is now able to offer to college graduates a resident course of study leading to the Degree of Doctor of Philosophy. Students are admitted to this course upon terms stated on page 161.

Of the four years required as a *minimum* for the degree of Doctor of Philosophy, three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

II. DIPLOMA COURSES.

1. *The Greek and Hebrew Course.*—This course is intended for those who desire to read and understand the Scriptures in the original, and yet are not prepared to do the work of the Degree Course. Greek is taught during three years, beginning with the elements. Hebrew is taught during the second and third years, beginning with the elements. The Greek class in exegesis read the Synoptic Gospels and the Acts in the Senior year. The Hebrew class read the poetical books of the Old Testament. In the other departments the work of this course is nearly the same as that for the Degree students.

2. *The Greek and English Course.*—In this course English exegesis is substituted for Hebrew. It is in other respects the same as the Greek and Hebrew Course.

3. *The English Course.*—In this course training in the English Language, in Rhetoric, Logic, and Psychology takes the place of the study of elementary Greek and Hebrew, and English exegesis of the Scriptures is given instead of the study of the poetical books in Hebrew and of the Synoptic Gospels and Acts in Greek. The characteristic work of this course is in charge of Professors Stuart, Hayes, and Eiselen. In the departments of Systematic Historical, and Practical Theology, Elocution, and Sociology, the studies of the English Course are the same as in the other diploma courses.

Students who complete either of these courses receive the diploma of the Institute. Three years are required for any one of them. Applicants for admission must present certificates from approved high schools or academies, otherwise they must pass a satisfactory examination in the studies prescribed by the Bishops for those who seek admission to an annual conference. [See Discipline, 1896, page 369.]

College Graduates enjoy here exceptional advantages. In several departments, conspicuously in the Exegetical and Historical, they are formed into separate classes. They are encouraged and helped to special investigation, and receive from their professors continued personal attention in their

chosen line of study. They have access, also, by the courtesy of the University, to any classes of the College of Liberal Arts for which they have time and aptitude, upon the recommendation of the Institute Faculty.

Diploma Students are accorded the largest privilege of election. They may devote their energies to the studies for which they are best adapted, assured that in either of the three Diploma Courses they will receive thorough instruction, be held firmly to high standards, and be trained carefully for the work of the ministry.

METHOD OF INSTRUCTION.

The method of instruction is by recitation and lectures and by free discussion. Great emphasis is laid upon instruction in elocution. Hence a course of training extending through three years is required of those who graduate. It is confidently proposed that every student who completes this work shall acquire a correct, forcible, and graceful style.

In addition to the instruction by recitation, lectures, and free discussions in the classrooms, public lectures and addresses by distinguished persons are also given before the Faculty and students, covering all the topics which relate to the work of Christian scholars and pastors.

LIBRARIES.

The number of volumes in the Institute and University Libraries—the one for daily working use and the other for free reference—is about seventy-five thousand.

Reading-rooms are connected with both libraries, and are supplied with the important dailies, weeklies, monthlies, and quarterlies in general and theological literature.

LITERARY SOCIETIES.

The Literary Department of the Christian Association of the Institute aims to stimulate theological and literary studies by exercises in composition, criticism, and extemporaneous speaking.

The Missionary Department of the Christian Association of the Institute seeks, by its weekly meetings and by occasional public meetings and lectures by returned missionaries and others, to promote information on Home and Foreign Missions, and to keep alive the missionary spirit among the students.

BUILDINGS.

Heck Hall.—The rooms in Heck Hall are in suites, consisting of study, bed-room, and wardrobe, and are furnished with tables, book-cases, bureaus, stands, chairs, bedsteads, and mattresses. Students supply their own pillows, pillow-cases, sheets, bed-coverings, towels, crockery, and small articles.

Memorial Hall.—Memorial Hall contains a large chapel, library, and reading-room, six lecture-rooms, with private rooms for professors, and a fire-proof vault for valuable books and papers. Both halls are heated by steam.

FINANCIAL AID.

Young men who have learned to earn and save money often work their way unaided through college and the theological school. The means of self-help in and around Evanston are but casual; yet a truly earnest and persevering student, with tact and helpfulness, many times finds, and even creates, opportunities for himself. To these help is rendered as far as practicable. Some sixty or seventy appointments for preaching have been made available to competent preachers among the students. Circumstances require that promises of aid shall be made with caution, and to the extent only of the ability to meet them. The institution covets consecrated young men who never quail in the presence of difficulties, and in every practical and useful way its aim is to aid them. The Board of Education of the Methodist Episcopal Church, with headquarters in New York, renders very efficient help by its judicious system of loans.

The Sarah Stewart Fund, yielding four hundred dollars a year, is for the benefit of approved candidates for missionary fields.

EXPENSES.

Tuition and room-rent are free of charge to regularly entered theological students. When occupying a room in Heck Hall, each student is charged an incidental fee of twenty dollars a year, payable half-yearly in advance, for curator's service, fuel for public rooms, and general repairs. When not occupants of Heck Hall, students pay (half-yearly in advance) a fee of five dollars a year.

NOTE.—Rooms in Heck Hall not occupied by regularly entered theological students can be used (subject to rules for conduct and residence) by students recommended for the ministry, who are connected with any of the departments of the University, and who intend to take the theological course in this institution, on condition that each occupant of a room shall pay thirty dollars a year, half-yearly in advance.

For further information and special circulars relating to the Institute, address Garrett Biblical Institute, Evanston, Illinois.

NORWEGIAN-DANISH THEOLOGICAL SCHOOL.

EVANSTON.

A close relation has been established between Garrett Biblical Institute and the Norwegian-Danish Theological School, located at Evanston, under the principalship of the Reverend Nels E. Simonsen, A.M., D.D. By this arrangement the students of the Norwegian-Danish Department may take the entire course of study of the Institute, substituting instruction in one or more branches in their own tongue under Principal Simonsen. Upon the satisfactory completion of the course thus pursued, they will be graduated from the Institute. This department is established to prepare men for the ministry among the Norwegian and Danish people, and offers its students an opportunity to pursue their theological studies in the English and Norwegian-Danish languages. The course of study extends through three years. Oral and written examinations are held at the close of each year, and those who complete the entire course in the Norwegian-Danish language are granted a certificate. Students are received on the recommendation of their respective conferences. A commodious and substantial building, containing dormitories and a dining-hall, has been erected by the Norwegian and Danish people for the use of students of this department.

For information respecting the Norwegian-Danish Department, address Norwegian-Danish Theological School, Evanston, Illinois.

SWEDISH THEOLOGICAL SEMINARY.

EVANSTON.

This school of theology began its work in 1870 at Galesburg, Illinois. In 1882 it attained a permanent home in Evanston, where it is now established in a commodious building, and where facilities exist for obtaining access to the different departments of the University. It is under the supervision of the four Swedish Conferences of the Methodist Episcopal Church in the United States.

It is the only school of its kind in the Methodist Episcopal Church, and from its ranks of students preachers are sent out to nearly every state in the Union. More than one hundred ministers have been educated in the school since its beginning, and are laboring faithfully in different parts of the country.

The aim of this school is to do practical work in helping men toward success in the ministry. It was called into existence to meet the urgent and increasing demands for educated pastors and missionaries among the Swedish population in the United States, which numbers more than a million. Its course of study is broad and practical.

The Seminary is supported by the income from an educational fund, collected mainly among the Swedish Methodist churches in the Northwest.

The regular course of study in the seminary requires four years. The students' progress in their studies is determined by examination, both written and oral; and after a satisfactory completion of the full course they receive the Seminary diploma. There is no charge for tuition.

Students are received on the recommendation of their respective Quarterly Conferences.

For further information, address Swedish Theological Seminary, Evanston, Illinois.

CATALOGUE OF STUDENTS.

1903-1904.

COLLEGE OF LIBERAL ARTS.

CANDIDATES FOR ADVANCED DEGREES AND OTHER GRADUATE STUDENTS.

FELLOWS.

Conant, Goldsmith Hall, *Physics,* — *Littleton, Mass.*
A.B., Bates, 1898, Harvard, 1903.

Lehmann, Harriet, *Zoölogy,* — *Neosha, Wis.*
A.B., Ripon College, 1902; A.M., Northwestern University, 1903.

Lymer, John Charles, *Mathematics,* — *College Springs, Ia.*
A.B., Amity College, 1898; B.D., Garrett Biblical Institute, 1902; A.M., Northwestern University, 1903.

Pierson, Ward Wright, *Economics,* — *Wilmette.*
B.S., Northwestern University, 1902.

Ullrick, Laura Foster, *History,* — *Attica, Ind.*
A.B., Northwestern University, 1903.

RESIDENT GRADUATE STUDENTS.

Baker, Abram Laurel, *Philosophy,* — *Manteno.*
A.B., Black Hills College, 1895.

Berg, Martin John, *Economics,* — *Madison, Wis.*
B.L., University of Wisconsin, 1901.

Cobb, Charles Carroll, *Latin,* — *Chicago.*
A.B., Williams College, 1885.

Daniels, Caroline Seymour, *English,* — *Evanston.*
A.B., Bryn Mawr, 1901.

Edgar, Thomas Oscar, *Bacteriology,* — *Brookings, S. D.*
B.S., Northwestern University, 1901.

Hagens, Graddus Remley, *Law,* — *Chicago.*
A.B., Central College, Iowa, 1901.

Hogue, Emma Grace, *Greek,* — *Greenville.*
A.B., Greenville College, 1901.

Holmes, Jesse George, *Physiology,* — *Hamburg, Iowa.*
B.S., Tabor College, 1899.

Howard, Sarah May, *German,* *Chicago.*
Ph.B., University of Michigan, 1894.

Jewell, Helen Mabel, *Botany,* *Evanston.*
Ph.B., Northwestern University, 1901.

Johnson, Francis James, *Philosophy,* *Box Grove, Ont.*
B.S., Northwestern University, 1903.

Kraft, Oscar Hermann, *Greek,* *Chicago.*
Universities of Leipsic and Halle.

Lamar, Clyde Park, *Constitutional Law,* *Oskaloosa, Ia.*
A.B., Valparaiso College, 1897;
LL.B., Northwestern University, 1903.

Larsen, Isabel, *Zoölogy,* *Odell.*
B.S., Northwestern University, 1901.

Lewis, Chapman S., *Modern Languages,* *Fulton, Mo.*
A.B., Central College, 1900.

Little, Helen Marina, *French,* *Evanston.*
A.B., Woman's College of Baltimore, 1899.

McCammon, Charles D., *Philosophy,* *Mound City.*
A.B., McKendree College, 1897.

Malone, Francis Frederick, *Physiology,* *Elk Creek, Neb.*
B.S., University of Nebraska, 1901.

Mattison, Olinia May, *German,* *Auburn Park.*
Ph.B., Northwestern University, 1898.

Nixon, Lewis Wesley, *History,* *Cavendish, Idaho.*
A.B., University of Idaho, 1901.

Oliver, Maude Louise, *History,* *Evanston.*
Ph.B., Northwestern University, 1903.

O'May, James, *History,* *Evanston.*
Simpson College, A.B., 1900; A.M., 1902;
B.D., Garrett Biblical Institute, 1903.

Orr, Harry Delphos, *Chemistry,* *Topeka, Kan.*
B.S., Kansas State Agricultural College, 1899.

Owen, Festus Edward, *Greek,* *Mokena.*
A.B., Northwestern University, 1902.

Park, May, *English,* *Wilmette*
B.L., Northwestern University, 1901.

Pierce, Frances Currey, *English Literature,* *Malta.*
Ph.B., Northwestern University, 1900.

Rodgers, Joseph Henry, *Geology,* *Charleroi, Penn.*
A.B., Northwestern University, 1901.

Ruff, Frederick George, *German,* *Chicago.*
A.B., German Wallace College, 1902;
A.M., Northwestern University, 1903.

Smith, Ettie Lelia, *English Language,* *Chicago.*
A.B., Northwestern University, 1880; A.M., 1885.

Stephens, Oliver Zwinglis, *Physiology,* *Chicago.*
A.B., Austin College, 1900.

Stewart, George Craig, *English Literature,* *Glencoe.*
Ph.B., Northwestern University, 1902.

Stowe, Ancel Roy Monroe, *Philosophy,* *Chicago.*
Ph.B., Northwestern University, 1903.

Sturgeon, Jennie Bradshaw, *Botany,* *Rock Island.*
B.L., Northwestern University, 1901.

Wambaugh, Effyan Reel, *Philosophy*, *Kearney, Neb.*
Ph.B., Northwestern University, 1894.

Want, Marquis M., *History*, *Virden.*
A.M., De Pauw University, 1897.

Wiles, Russell, *Law*, *Chicago.*
B.S., University of Chicago, 1901.

Williams, David Irwin, *Economics*, *Evanston.*
B.S., Northwestern University, 1902.

Williams, Mary Louise, *History*, *Evanston.*
B.L., Smith College, 1895.

NON-RESIDENT GRADUATE STUDENTS.

Benn, Hester Eliza, *English Literature*, *Omaha, Neb.*
Ph.B., Northwestern University, 1901.

Bonar, Elizabeth, *English*, *El Paso.*
B.S., Northwestern University, 1903.

Caraway, Blanche, *History*, *Tuscola.*
B.L., Northwestern University, 1889.

Cook, Mabel Elizabeth, *Philosophy*, *Plano.*
A.B., Northwestern University, 1903.

Frizzelle, Jacob Wellington, *History*, *Rock Island.*
A.B., Northwestern University, 1888; A.M., 1893;
B.D., Drew Theological Seminary.

Milnes, Frank Joy, *Economics*, *Evanston.*
B.S., Northwestern University, 1903.

Potter, James, *Philosophy*, *Albany.*
A.B., Northwestern University, 1895.

Seabrook, Angelina Emily, *English*, *Adrian, Mich.*
B.L., Northwestern University, 1902.

CANDIDATES FOR A BACHELOR'S DEGREE.

Abernethy, Flossie,	B.S.	13	*Spokane, Wash.*
Albritton, Elmer Sanford,	A.B.		*Williamsport, Pa.*
Aldridge, Mabel,	A.B.		*Chicago.*
Allen, Harry Irwin,	B.S.	102	*Huntington, Ind.*
Alling, Claude Robert,	B.S.	48	*Evanston.*
Anderson, Albin Garfield,	B.S.	102	*Chicago.*
Anderson, Anna Olivia,	B.S.	18	*Chicago.*
Anderson, Earle Clyde,	B.S.	104	*Woodstock.*
Anderson, Lilian Antonia,	B.S.		*Evanston.*
Anderson, Sigurd Edward,	A.B.	87	*Manistee, Mich.*
Armstrong, Christopher Lawrence,	B.S.	43	*Milan.*
Armstrong, Lucile May,	A.B.	60	*Ottawa.*
Arnold, Florence Winifred	A.B.	77	*Chicago.*
Arnold, Gladys,	A.B.	75	*Chicago.*
Asthalter, Edward Jacob,	A.B.	44	*Muscatine, Ia.*
Atkinson, Maud Gale,	A.B.	72	*Evanston.*

Atkinson, Robert Kavanaugh	A.B.	60	*Evanston.*
Atchison, Robert Hall,	A.B.	97	*Elgin.*
Auten, Mildred Garvin,	A.B.	31	*Evanston.*
Ayer, Wentworth Prescott,	B.S.	72	*Kewanee.*
Bailey, Ralph Williams,	B.S.	15	*Waupaca, Wis.*
Baird, John William,	B.S.		*Omaha, Neb.*
Baird, Robert Wilson,	A.B.	86	*Evanston.*
Baker, Edna Dean,	A.B.	46	*Evanston.*
Baker, Elsie Margaret,	A.B.	51	*Evanston.*
Baldwin, Florence Gertrude,	B.L.	107	*Chicago.*
Baldwin, Jessie Louise,	A.B.	63	*Evanston.*
Baldwin, Miriam Jeannette,	A.B.	67	*Evanston.*
Balmer, Julius Pratt,	A.B.	72	*Chicago.*
Banschbach, Litta Celia,	A.B.	53	*Princeton.*
Banister, Joseph Ray,	B.S.		*Ironton, Mich.*
Barker, John Lawrence,	B.S.		*Evanston.*
Barnard, Esther	B.S.		*Evanston.*
Barnes, John,	A.B.	111	*Paisley, Ont.*
Barns, Elizabeth,	A.B.	56	*Joliet.*
Barr, Martha Baird,	A.B.	52	*Princeton, Ind.*
Barrows, Ellen Percy,	A.B.	90	*Lorain, O.*
Beadles, Lucius Albon,	B.S.	34	*Quincy.*
Beal, Blanche,	A.B.	44	*Clarinda, Ia.*
Beard, Lura Maude,	A.B.	15	*Manteno.*
Beaver, Mabel Adeline,	B.S.	51	*Shermanville.*
Becknell, Guy Gaillaird	B.S.	117	*Goshen, Ind.*
Beecher, Carl Milton,	B.S.	19	*La Fayette.*
Beers, Alice Nathalia,	A.B.	9	*Harvey.*
Beggs, George Erle,	A.B.	75	*Ashland.*
Beitel, Myrtie Edna,	B.S.		*Hinckley.*
Bell, George Irving,	B.S.	109	*Channahon.*
Bell, Herbert Yeomans,	A.B.	37	*Harvey.*
Bell, Louis Barclay,	A.B.	9	*Harvey.*
Bendix, Earnest Oliver,	A.B.	15	*Chicago.*
Bicknell, Isabel Emma,	B.S.	12	*Evanston.*
Bicknell, Miriam Emila,	B.S.		*Evanston.*
Biddle, Elvertus Franklin,	B.S.	32	*Middleton, Mich.*
Biddle, Jacob Adney,	B.S.	94	*Middleton, Mich.*
Bierer, Mary Eleanor,	A.B.	15	*Hiawatha, Kan.*
Bindhammer, Frederic Leighton,	B.S.		*Chicago.*
Blackstock, Anna Grant,	B.S.	9	*Shahjehanpone, India.*
Blagdon, Beulah Blanche,	A.B.	14	*Sycamore,*

Blair, Arthur John,	A.B.	45	*Mazon.*
Blair, Charles Scofield,	A.B.	81	*Monica.*
Blake, Guy Minnich,	A.B.		*Chicago.*
Blu, Elmer Francis,	B.S.	71	*Milford.*
Bolster, Grace Nye,	A.B.		*Chicago.*
Bondurant, Flint,	B.S.	7	*Cairo.*
Boring, Ruth Mary,	A.B.	56	*Chicago.*
Bosworth, Helen Florence,	A.B.	13	*Evanston.*
Bovard, Edna Louise,	B.S.		*Marseilles.*
Bowdle, Frances Burlin,	A.B.	16	*Piqua, Ohio.*
Boyers, John Clements,	B.S.		*Toledo, Ohio.*
Braden, Edwin Stewart,	B.S.		*Preemption.*
Bradley, Ella Harriet,	B.S.		*Evanston.*
Bragdon, Charles Ridgaway,	A.B.	102	*Evanston.*
Bragg, Everett Eugene,	B.S.	28	*Evanston.*
Brawthen, Clara Marie,	A.B.	48	*Chicago.*
Brickwood, Genevieve Marie,	A.B.	9	*Chicago.*
Briggs, Charles Alfred, Jr.	A.B.	56	*Plato Center.*
Brockway, Hermon Lyman,	A.B.	36	*Rawson, N. Y.*
Brodby, Martha Edna,	B.S.	15	*Red Oak, Ia.*
Bronson, Earle Avaun,	A.B.		*Evanston.*
Bronson, Elizabeth Gertrude,	B.S.	109	*Evanston.*
Bronson, Ruth,	A.B.		*Luverne, Minn.*
Brower, Viva May,	B.S.	81	*Chicago.*
Brown, Benjamin Franklin,	B.S.	75	*Crescent City.*
Brown, Gertrude,	A.B.		*Hampton, Ia.*
Brown, Gus Scott,	B.S.	24	*Clearfield, Ia.*
Brown, Jessie Vida,	B.S.	15	*Harvey.*
Brown, Josephine Charlotte,	A.B.	14	*Miles Center.*
Brown, Parke Warren,	B.L.	105	*Evanston.*
Brown, Sara Juliet,	B.S.		*Elgin.*
Buehler, Lucie,	B.S.	37	*Chicago.*
Bullock, Isabel Clifton,	A.B.	12	*Chicago.*
Burdick, Anna Lavinia,	A.B.		*Assumption.*
Burnett, Rebecca Grace,	A.B.		*Knoxville, Ia.*
Burr, Harriet Kendall,	A.B.		*Chicago.*
Burrell, Edith Marion,	A.B.	28	*Freeport.*
Busse, Florence Ethel,	A.B.	5	*Porter, Ind.*
Buswell, Ina Lilian,	B.S.	72	*Polo.*
Butler, Arthur De Lyon,	A.B.		*Savannah, Ga.*
Butters, Ethel,	A.B.		*Terre Haute, Ind.*
Butz, Florence Julia,	B.S.	35	*Wilmette.*
Cady, Ella Leone,	A.B.	59	*Geneseo.*

Cady, Gilbert Haven,	A.B.	92	*Evanston.*
Campbell, Fannie,	A.B.	68	*Coal City.*
Cannon, Lucile Follett,	A.B.	49	*Chicago.*
Carlson, Julius Goodwin,	B.S.		*Merrill, Wis.*
Carlson, Walter Roy,	B.S.		*Hampton, Ia.*
Carnes, Hope,	A.B.	47	*Sycamore.*
Cater, Hannah Louise,	A.B.	76	*Libertyville.*
Caulkins, Flora Lucy,	A.B.		*Duluth, Minn.*
Cawood, Fred Thayer,	A.B.		*Sullivan.*
Chamberlin, Charlotte Roberts,	A.B.	49	*Rock Island.*
Chandler, Henry Alfred Ernest,	B.S.		*Evanston.*
Chapin, Gertrude Frances,	B.S.	15	*Chicago.*
Chapman, Jessie Rebecca,	A.B.		*Carlisle.*
Chappell, Stella Aletta,	A.B.	118	*Sioux Falls, S. D.*
Cheuvront, John Richard,	A.B.	8	*Buckhannon, W. Va.*
Childs, Mary Louise,	B.S.	74	*Evanston.*
Cleveland, Perry Harrison,	B.S.	65	*Payson.*
Clutton, Fred Homer,	A.B	17	*New Castle, Pa.*
Cocayne, Alonzo Vincent,	B.S.	25	*Mediapolis, Ia.*
Cocayne, Jesse Peryle,	B.S.	36	*Mediapolis, Ia.*
Cobb, Helen Field,	A.B.	7	*Evanston.*
Coddington, William,	B.S.		*Princeton.*
Collmann, Fred Albertus,	B.S.	23	*Madison, Wis.*
Colthurst, Claire.	A.B.	49	*Morris.*
Congdon, Louise,	A.B.		*Evanston.*
Colvin, Ernest Elmer,	A.B.		*Wichita, Kan.*
Conley, Edward James,	B.S.	5	*Evanston.*
Connors, Katherine Josephine,	A.B.	11	*Chicago.*
Cook, Isabel,	B.S.	69	*Chicago.*
Cox, Edith,	A.B.	16	*Evanston.*
Cox, Guy Henry,	B.S.		*Evanston.*
Cox, Jessie Uretta,	A.B.	82	*Evanston.*
Craven, Edward Stanley,	A.B.	66	*Dixon.*
Creek, Bertha,	B.S.	64	*Olney.*
Cumnock, Claude,	B.S.	26	*Evanston.*
Curme, Herta.	B.S.	27	*Evanston.*
Currer, Mabel,	B.S.	34	*Redlands, Cal.*
Currey, Rachel,	A.B.	83	*Evanston.*
Curtis, Smith Reede,	B.S.		*Waverly, Ia.*
Dale, Jane Constance,	B.S.		*Winnetka.*
Dale, Ruth Geraldine,	A.B.	49	*Winnetka.*
Davenport, Kenneth Howard,	A.B.	116	*Creston, Ia.*
Davenport, Ora Belle,	A.B.	55	*Creston, Ia.*

Decker, Mabel Adams,	A.B.	107	*Chicago.*
Dennett, Edith,	B.S.	121	*Evanston.*
Derby, Eva Jane,	A.B.	77	*Murdock.*
Derby, Horace Mann,	A.B.	107	*Murdock.*
Derickson, George Preston,	B.S.	14	*Kenilworth.*
Derickson, Lucy Adele,	B.S.	106	*Kenilworth.*
Dickey, Charles James,	A.B.	113	*Evanston.*
Dines, Lloyd Lyne,	A.B.	55	*Quincy.*
Dixon, Guy,	B.S.	14	*Ambia, Ind.*
Doht, Sadie E.,			*Jacksonville.*
Dolan, Besse Mary,	A.B.	11	*Chicago.*
Doland, Emma Amphlett,	A.B.		*Chicago.*
Dolbeer, Loverne, Ann,	A.B.		*Chicago.*
Dolby, Elizabeth Sarah,	A.B.	33	*Chicago.*
Dolewczynski, Edmund,	A.B.	5	*Chicago.*
Donn, Clara Belle,	A.B.		*Canton.*
Doolittle, Aimee Warren,	A.B.	16	*Chicago.*
Drew, Bessie Ellen,	A.B.		*Hobart, Ind.*
Drew, Ruth Elizabeth,	B.S.	38	*Chicago.*
Dudley, Harlan Eddy,	B.S.	12	*Nevada, Ia.*
Dufford, Mabel Leone,	A.B.	19	*Bonfield.*
Dwight, Charles Fox,	A.B.		*Gull Lake, Mich.*
Eizinger, Alma Catherine,	A.B.	18	*Chicago.*
Eldred, Alice Stanley,	B.S.	43	*Joliet.*
Eldred, Bertha Marguerite,	A.B.	42	*Joliet.*
Ellis, Edwin Erastus,	B.S.	130	*Evanston.*
Ellis, Mabel Florence,	B.S.		*Chicago.*
Elmquist, Axel Louis,	A.B.	97	*Chicago.*
English, Arthur Floyd,	A.B.	22	*Evanston.*
English, Oliver Atwood,	B.S.	58	*Evanston.*
Ensor, Guy,	A.B.	55	*Savannah, Mo.*
Falley, Eleanor Worthington,	B.S.	78	*Evanston.*
Fansler, Dean Spruill,	A.B.	60	*Evanston.*
Faulkner, John Porcius,	B.S.		*Glencoe.*
Fehrman, Mamie Eva,	A.B.	37	*Evanston.*
Fellows, Ralph Waldo,	A.B.		*Vinton, Ia.*
Fidler, George Elmer,	A.B.	26	*Martinton.*
Fisher, Lavinia Augusta,	B.S.	51	*Springfield.*
Fisher, Rollo Jayne,	A.B.	58	*Battle Creek, Ia.*
Fisher, Sallie Martha,	B.S.	54	*Bucyrus, Ohio.*
Fisk, Ellen Green,	A.B.	81	*Evanston.*
Fisk, Nelle Carolyne,	B.S.	10	*Parma, Idaho.*
Fixen, Effie Jennie,	B.S.	12	*Chicago.*
Flagge, Walter Stanley,	A.B.	5	*Batchtown.*

Flaningam, Miletus Lafayette,	B.S.	101	*Potomac.*
Fleager, Harry Anderson,	B.S.	110	*Sheldon.*
Fletcher, Charles Edwin,	B.S.	68	*Lisbon.*
Fluke, Alice Estella,	A.B.		*Washington, Ia.*
Fonda, Edith Lois,	A.B.	14	*Berwyn.*
Forney, Sam W.	B.S.		*Minonk.*
Frank, Jessie,	B.S.		*Spring Valley.*
Fry, Alpheus Leland,	B.S.		*Jordan, Ont.*
Fulcher, Gordon Scott,	B.S.	85	*Evanston.*
Fuller, Roy Earle,	B.S.		*Dows, Ia.*
Gaddis, William Carlisle,	B.S.		*W. Carrollton, Ohio.*
Gallup, Victor Henry,	A.B.	104	*Evanston.*
Ganster, Howard Elwood,	A.B.	104	*Dayton, Ohio.*
Gates, Jessie Maude,	A.B.	121	*Winona, Minn.*
Gazlay, William Soaper,	A.B.	113	*Chicago.*
George, James William,	A.B.	74	*Fulton.*
George, Lucy Pearle,	B.S.	14	*Petersburg, Ind.*
Gibson, Francis Martin,	A.B.		*Evanston.*
Gilbreth, John Paul,	B.S.		*Normal.*
Gilchriese, Louise Mary,	B.S.	48	*Negaunee, Mich.*
Gillan, Fannie Eva,	A.B.		*Wellington.*
Gilruth, Henry Augustus,	A.B.	42	*W. Plains, Mo.*
Girton, Daisy Myrtle,	A.B.	55	*Madison, S. D.*
Glaspell, Gladys,	B.S.		*Chicago.*
Gold, Florence Louise,	A.B.	103	*Big Stone City, S. D.*
Goldsmith, Lois,	B.S.	13	*Wilmette.*
Good, Violette Amy,	A.B.	6	*Chicago.*
Graves, Jeanne Frances,	A.B.	37	*Hinckley.*
Gray, Webster Eber,	A.B.	90	*Greenville, S. C.*
Green, Grayce,	B.S.		*Morgan Park.*
Green, Ida Grace,	A.B.	111	*Evanston.*
Greenman, Almon Ansel,	B.S.	96	*Evanston.*
Greenman, Emily Henrietta,	A.B.	116	*Evanston.*
Griffin, Alice Julia,	A.B.		*Chicago.*
Griffith, Clarence Alvin,	B.S.		*Sheldon.*
Grigson, Blanche Lenora,	A.B.	48	*Augusta.*
Grosball, Hanmon Schirding,	B.S.	14	*Petersburg.*
Gsell, Earl Wilson,	B.S.	66	*Evanston.*
Haff, Emma Josephine,	A.B.	60	*Ludington, Mich.*
Haines, Mary,	A.B.	47	*Chicago.*
Haise, Litta May,	B.S.		*Dwight.*
Hall, Clifford Rufus,	B.S.	17	*Chicago.*
Hall, Eleanor Jean,	A.B.	15	*Evanston.*

Hall, Margaret Sidney,	A.B.	79	*McGregor, Ia.*
Hall, Victor Curtis,	A.B.	38	*Tuscola.*
Hallam, Joseph,	B.S.	104	*Albion.*
Hamilton, Robert John,	B.S.	107	*Gardiner.*
Hammond, Margaret,	A.B.	57	*Evanston.*
Hammond, Marie,	A.B.	55	*Evanston.*
Handy, Rena Marshall,	A.B.	15	*Evanston.*
Hanns, William Harrison,	B.S.	31	*Palatine.*
Hanson, David Thomas,	B.S.		*Tuscola.*
Harker, Herbert Leonard,	B.S.	103	*Shullsburg, Wis.*
Harnden, Floid Leland,	B.S.	105	*Barrington.*
Harris, Alfred Ernest,	B.S.		*Kentisbury Ford, Eng.*
Harris, Emily,	B.S.	60	*East Machias, Me.*
Harris, Hugh Henry,	B.S.	100	*Greenville, Mich.*
Harrison, Shelby Millard,	B.S.		*Leaf River.*
Hart, George Botto,	B.S.		*Chicago.*
Harter, Minnie Louise,	A.B.	106	*Chicago.*
Harter, Olga Helene,	A.B.		*Chicago.*
Hartman Emery Abram,	A.B.		*Ashley, Ind.*
Harwood, Francis Laird,	A.B.	15	*Lanark.*
Harwood, Lelia Woodbury,	A.B.	58	*Chicago.*
Hastings, Oris,	B.S.		*Cairo.*
Hauser, Cornelia Louise,	A.B.	77	*Aberdeen, S. D.*
Hawley, Melvin Moses,	B.S.	13	*Kingsville, Ohio.*
Hayes, Ethel,	A.B.		*Butte, Mont.*
Hazelton, Mabel Anna,	A.B.	12	*Morrison.*
Heaps, Allison Ray,	B.S.	109	*Kewanee.*
Heflin, Charlotte Fischer,	A.B.		*Wenona.*
Hennessey, Enid,	B.S.		*Chicago.*
Hennessey, Lora,	B.S.	18	*Chicago.*
Heren, Mabel May,	B.S.	111	*Evanston.*
Herstein, Lillian,	A.B.		*Chicago.*
Hess, Herbert William,	A.B.	109	*St. Louis, Mo.*
Higgins, Alice Aileen.	B.L.	114	*Perry.*
Hill, Mabelle Gertrude,	B.S.		*Evanston.*
Hillman, Elizabeth Gaylord,	B.S.	109	*Evanston.*
Hitch, Lola Sevilla,	B.S.	14	*Seaford, Del.*
Hobart, Louise,	A.B.	15	*Red Wing, Minn.*
Hochbaum, Hedwig Hermine,	B.S.	135	*Chicago.*
Holderness, Edna Louise,	B.S.	66	*Kenosha, Wis.*
Honnold, Charles Edgar.	A.B.		*Kansas.*
Horn, Albert Vernon,	A.B.	34	*DeKalb.*
Horton, Louis Ray,	A.B.		*Littleton.*

Hubbart, Dwight Conkling,	B.S.		*Monticello.*
Hubbart, Oliver Sherman,	B.S.	74	*Monticello.*
Hughes, May,	A.B.	8	*Elburn.*
Hulbert, Frances Diantha,	A.B.	90	*Sault Ste. Marie, Mich.*
Hurn, Alice Lorretta,	B.S.	14	*Clear Lake, Ia.*
Hurn, Rebecca Jane,	A.B.	89	*Clear Lake, Ia.*
Hurst, Ava Elizabeth,	A.B.	23	*Galena.*
Hyde, Flora Alice,	A.B.		*La Grange.*
Imus, Mabel Lola,	B.S.	38	*Mendota.*
Int Hout, Corneil	B.S.	99	*Oak Glen.*
Ives, Raymond Judson,	A.B.	8	*Weedman.*
James, George Edgar,	B.S.	61	*Rochester.*
James, Herman Gerlach,	A.B.	17	*Chicago.*
James, Louise Meserve,	A.B.	10	*Evanston.*
Jenkins, Florence,	B.S.	43	*Chicago.*
Jeter, Luther Ray,	A.B.	8	*Yorkville.*
Johns, Nelle Swannell,	A.B.	103	*Danville.*
Johnson, Charles John,	A.B.	47	*Evanston.*
Johnson, Howard White,	A.B.	101	*Chicago.*
Johnson, William Richard,	B.S.		*Cornell.*
Johnston, Earnest Sevelon,	A.B.	42	*Wilmington.*
Johnston, Mary Esther,	A.B.		*Galva.*
Johnston, Myrtle L.	A.B.	111	*Joliet.*
Jones, Dora Ellen,	A.B.	59	*Frankfort, Ind.*
Jones, Lester Seamen,	B.S.		*Ashland, Neb.*
Jordan, Carl Francis,	B.S.	23	*Burlington, Ia.*
Jordan, Oscar Joseph,	A.B.	65	*Pullman.*
Justice, James Caleb,	A.B.	60	*Evanston.*
Kanagy, Simon Menno,	B.S.	66	*Evanston.*
Kappleman, John Adam,	B.S.	100	*Evanston.*
Karr, Richard Freeman,	A.B.		*Sheldon.*
Kaufman, Gustav Leonard,	B.S.	87	*Chicago.*
Keepers, Alta E.	B.S.		*Gardner.*
Keller, Elizabeth Emma,	A.B.	12	*Chicago.*
Kelley, Walter Denman,	A.B.	46	*Cheyenne, Wyo.*
Kendall, Edna Wray,	B.S.		*Berlin, Wis.*
Kerr, William Dunton,	A.B.	106	*Oak Park.*
Kiest, Anna Catherine,	A.B.	13	*Shermanville.*
King, Ida Harriet,	A.B.		*Evanston.*
Kingsbury, Ethel Madge,	B.S.		*Winona, Minn.*
Kipp, Cora Irene,	B.S.	14	*Onarga.*
Kipp, Julia Inez,	B.S.	71	*Onarga.*
Kirk, Ruby Mabel,	A.B.	15	*Kenosha, Wis.*

Kirkpatrick, Olive Maude,	A.B.		*Anna.*
Kittleman, Earle Buxton,	B.S.	11	*Brewyn.*
Klatt, Helen Otilda,	A.B.	13	*Lincoln.*
Kleihauer, Christian Frederick,	A.B.	106	*South Haven, Mich.*
Kletzing, Florence Amy,	A.B.	46	*Chicago.*
Klove, Noah Grover,	B.S.	43	*Leland.*
Knisely, Mabel,	B.S.		*Butler, Ind.*
Kotz, Raymond C.	B.S.	9	*Chicago.*
Kraft, Carrie Louise,	A.B.	10	*Chicago.*
Kuehl, Celia Pauline,	A.B.	17	*Chicago.*
Ladd, Nellie,	A.B.		*Chicago.*
Laird, Allie Luella,	A.B.	33	*Evanston.*
Lamb, Bessie Thomas,	A.B		*Petersburg, Ind.*
Lane, Clark White,	B.S.		*Centerville, Ia.*
Lane, Harriet Amanda,	A.B.	8	*Chicago.*
Lasecki, Thomas Thaddeus,	A.B.	17	*Chicago.*
Lasher, Grace Estelle,	A.B.	63	*Evanston.*
Law, John Granville,	B.S.	59	*Millon, Kan.*
Lawless, Julia Anna,	B.S.	12	*Paloma.*
Lawson, Blanche Belle,	B.S.		*Chicago.*
Lee, Frank Edwin,	A.B.		*Maryville, Mo.*
Leekley, Mary Florence,	A.B.	15	*Galena.*
Lewis, Daisy Blossom,	B.S.		*Evanston.*
Lewis, Eleanor Frances,	A.B.	105	*Chicago.*
Lewis, Thomas Beach,	B.S.	31	*Fairbury.*
Linn, Lena May,	A.B.		*Shawnee, Okla.*
Little, Edith Regina,	A.B.		*Evanston.*
Little, Mollie Brevoort,	B.S.	60	*Kankakee.*
Livermore, Margaret,	A.B.	106	*Evanston.*
Llabres, Luis,	A.B.	11	*Porto Rico.*
Lloyd, Nellie Evelyn,	A.B.	8	*Glencoe.*
Lomelino, Grace Eva,	A.B.	16	*Springfield.*
Long, Edith Louise,	A.B.	87	*Marengo, Ia.*
Long, William Henry,	B.S.	45	*Marshalltown, Ia*
Longacre, Anna Sara,	B.S.	16	*Blue Island.*
Lord, Porter Butts,	B.S.		*Chicago.*
Luther, Clarence Job,	B.S.	107	*Evanston.*
Lyon, Mary Mansfield,	A.B.	98	*Joliet.*
Lyons, Alice Belle,	A.B.	47	*Ludington, Mich.*
McCarthy, June,	B.S.		*Chicago.*
McChesney, Grant Gay,	A.B.	75	*Evanston.*
McConoughey, Edward Marsh,	A.B.		*Evanston.*
McCulloch, Victor,	B.S.	8	*Evanston.*

McDermith, Pauline Augusta,	A.B.		*Denver, Colo.*
McDougal, Herbert,	A.B.	82	*Princeton, Mo.*
McEwan, Jean Elizabeth,	A.B.	4	*Alexandria, Minn.*
McGowan, George Edward,	B.S.		*Chicago.*
McGrath, Ada Pansy,	A.B.	36	*Blue Island.*
McGrew, David Randolph,	A.B.		*Williamsville.*
McIntosh, Walter Gilbert,	B.S.		*Clear Lake, Ia.*
McJohnston, Harrison,	A.B.		*Chicago.*
McKee, Beulah Clare,	A.B.	25	*Evanston.*
McKenney, Lelia Pearl,	B.S.	71	*Marquon.*
McPherrin, Howard Chesney,	A.B.		*Kansas City, Mo.*
McPherrin, Hugh Webster,	A.B.	86	*Kansas City, Mo.*
Mabie, Harriet Winifred,	A.B.		*Chicago.*
Macgaffey, Christine,	B.S.		*Chicago.*
Manson, Egbert Frank,	B.S.	48	*Evanston.*
March, Ralph Cartwright,	B.S.	104	*Oregon.*
Mark, Clarence Herbert,	Ph.B.		*Muscatine, Ia.*
Martin, Julia Elsie,	A.B.	8	*Blue Island.*
Martin, Maude Marguerite,	A.B.	98	*Newton.*
Martin, May,	A.B.	47	*Chicago.*
Mason, Carrie Edith,	A.B.	105	*Evanston.*
Massen, John,	B.S.	78	*Avoca, Ia.*
Mathis, Daisy May,	B.S.	75	*Prophetstown.*
Matthew, William Oscar,	B.S.		*Blue Mound.*
Mattison, Robert Spencer,	A.B.	77	*Auburn Park.*
Meents, Walter Howard,	B.S.		***Ashkum.***
Melzer, Josephine,	A.B.	30	*Glen View.*
Mercer, Grace Darling,	A.B.	103	*Lemoille.*
Merrell, Morton William,	A.B.	89	*Monmouth.*
Merrill, Harvey Robert,	A.B.	122	*Evanston.*
Merubia, Moises,	B.S.	53	*Iquique, Chile.*
Metcalf, Bertha Alice,	B.S.	7	*Evanston.*
Meyer, Anjuline Orillia,	A.B.	108	*Evanston.*
Miehle, Mabel Kathryne,	A.B.	69	*Chicago.*
Miller, Clarence,	A.B.	6	*Hiawatha, Kan.*
Miller, Robert Ernest,	A.B.	30	*Greeley, Colo.*
Millizen, Ralph Waldo Emerson,	A.B.	106	*Sullivan.*
Moery, Lina Beatrice,	A.B.		*Bement.*
Monier, Roy Hughes,	B.S.	102	*Hopkins, Mo.*
Montgomery, Alice Maud,	A.B.	90	*Ironton, Ia.*
Moon, Faye Arnold,	B.S.	84	*Evanston.*
Moore, Blanche Belle,	A.B.	14	*Chicago.*

Moore, Kathleen Mary,	A.B.	77	*Winnetka.*
Morford, Raymond Sparks,	A.B.	48	*Evanston.*
Morris, Frank Ellis,	B.S.	98	*Evanston.*
Moss, Joseph Lincoln,	B.S.		*Chicago.*
Murdock, Max,	B.S.	9	*Streator.*
Myers, Maurice Melville,	B.S.		*Higbee, Colo.*
Nagley, Frank Alvin,	A.B.		*Sheldon.*
Nash, Albert Henry,	A.B.	57	*Elizabeth.*
Nehls, Arthur Louis,	B.S.	101	*Chicago.*
Nelson, Lulu Irene,	A.B.	8	*Chicago.*
Nelson, Sophie May,	A.B.	18	*Chicago.*
Nelson, Victor Emanuel,	B.S.	19	*Chicago.*
Nesbitt, Orpha Ellen,	B.S.	39	*Paunee City, Neb.*
Newman, Frank Rogers,	A.B.	78	*Chicago.*
Niehoff, Hattie Antonia,	A.B.	15	*Chicago.*
North, Lyman Hull,	A.B.	91	*Lake Villa.*
Northrop, Frances M.	A.B.	30	*Woodstock.*
Northrup, Edith Agnes,	A.B.	110	*Braceville.*
Norton, Louise Werneburg,	A.B.	56	*Chicago.*
Nortrup, Scott Strickle,	A.B.	80	*Havanna.*
Nusbaum, Payson LaVern,	B.S.		*Middlebury, Ind.*
Nuttall, John Tilden,	B.S.	76	*Flat Rock.*
Nuzum, Walter Franklin,	B.S.		*Eau Claire, Wis.*
Ode, Ella,	A.B.		*Chicago.*
O'Grady, Agnes Jane,	A.B.		*Manitowoc, Wis.*
Oleson, Chris Jacob,	B.S.	13	*Duncombe, Ia.*
Olgen, Amy Hedwig,	A.B.	106	*Chicago.*
Orem, Leonora Mary,	B.S.	49	*Chicago.*
Osborne, Maud,	A.B.	39	*Scranton, Ia.*
Palmer, George Thomas,	B.S.	78	*Evanston.*
Palmer, Margaret Ellen,	A.B.	47	*Princeton.*
Partridge, Ethlyn Amelia,	A.B.	87	*Walcott, N. Y.*
Patten, Emma Theodora,	A.B.	41	*Evanston.*
Paupa, Anna Katherine,	A.B.	103	*Chicago.*
Pearce, Bessie Gertrude,	B.S.		*Oswego.*
Pearce, Daisy Irene,	B.S.	65	*Oswego.*
Pechumn, Eli Franklin,	B.S.	89	*Stuart, Ia.*
Penfield, Ruth Sherman,	A.B.	22	*Chicago.*
Perdue, Mentor Josias,	B.S.	118	*Opolis, Kan.*
Peterson, Hildur Eveline,	A.B.	48	*Chicago.*
Pettitt, Elsie Alard,	B.S.		*Kewanee.*
Pierson, Grace Lou Ella,	A.B.	12	*Princeton.*
Plagge, Herbert John,	B.S.	46	*Barrington.*

Planck, Anna D.	B.S.	29	*Rochester, Ind.*
Pollard, Naoma Willie,	A.B.	75	*Chicago.*
Pollock, Samuel Edgar,	A.B.	16	*Evanston.*
Pope, Merritt Nichol,	B.S.	78	*Omemee, N. D.*
Powers, Myra,	A.B.	41	*Chicago.*
Prindle, Catherine Sarah,	A.B.	48	*Manchester, Va.*
Proctor, Georgia,	B.S.		*Chicago.*
Raber, Cecile Fanny,	B.S.		*Palo Alto, Cal.*
Rader, Lucile,	A.B.	10	*Huntington, Ind.*
Raeder, Luise Wilhelmine,	B.S.	104	*Evanston.*
Ramsey, Edna May,	A.B.	15	*La Salle.*
Ramshaw, Charles Wilson,	A.B.		*Chicago.*
Rape, Chester Bertram,	A.B.		*Taylorsville.*
Rapson, Joseph,	A.B.	8	*Lisbon.*
Rarig, Arthur,	A.B.	91	*Minneapolis, Kan.*
Rattray, Edna Paul,	A.B.		*Chicago.*
Ray, Bessie,	A.B.	114	*Chicago.*
Raymond, Mary,	A.B.	107	*Evanston.*
Raymond, Miner,	B.S.	12	*Evanston.*
Ream, Albert Louis,	B.S.	84	*Hampshire.*
Rech, Gilbert Henry Andrew,	A.B.	52	*Chicago.*
Reed, Frank Nelson,	B.S.	74	*Reed.*
Reed, William John,	B.S.	72	*Glenview.*
Reisner, Lewis Alpheus,	B.S.	56	*Sterling.*
Reithard, Abbie Grace,	A.B.	69	*Evanston.*
Remp, Marie Louise,	B.S.		*Dresbach, Minn.*
Richards, Gilbert Haven,	B.S.	23	*Berwyn.*
Richmond, Gertrude Marion,	B.S.		*Glencoe.*
Riley, Garfield William,	A.B.	73	*Dayton, Ohio.*
Robertson, Nadine,	B.S.	12	*Virginia.*
Robinson, John Wendell,	B.S.	108	*Evanston.*
Rocheleau, George Alexander,	B.S.		*Chicago.*
Roessler, Elsa Augusta,	A.B.	53	*Chicago.*
Rogers, Mary,	A.B.	11	*Chicago.*
Roloff, Walter Edward,	A.B.	105	*Barrington.*
Rommel, Jasper Frederick,	B.S.	16	*Bloomington.*
Rompel, Thelka,	A.B.	62	*Chicago.*
Root, Huber Hall,	B.S.	55	*Medina, Ohio.*
Root, Ralph Waldo,	B.S.		*Galva.*
Rosine, Howard Myron,	B.S.		*Lakeside.*
Ross, Rose Olive,	A.B.	12	*Springfield.*
Rowley, Fred,	A.B.	41	*Kewanee.*
Royal, Clifton De BeVoice,	A.B.	57	*Des Moines, Ia.*

Rueber, Charles Arthur,	B.S.	.	*Oronoco, Minn.*
Ruick, Gertrude Lucile,	A.B.	50	*La Grange, Ind.*
Russell, Elsie Louise,	B.S.		*Crawfordsville, Ind.*
Russell, John Edward,	A.B.		*Evanston.*
Russell, Josephine Sleight,	A.B.		*Chicago.*
Ryden, Gertrude Gibbs,	B.S.	58	*Evanston.*
Sabin, Charles Gilbert,	B.S.	101	*Evanston.*
St. Clair, Paul Sumner,	B.S.		*Des Moines, Ia.*
Sampson, Laura Belle,	A.B.	129	*Chicago.*
Sanford, Arthur Hawley,	A.B.	111	*Milwaukee, Wis.*
Sargisson, Zaccheus Eugene,	A.B.	65	*Berwyn.*
Sayler, Virginia Leone,	A.B.		*Carthage, Mo.*
Schafer, Elmer John,	A.B.	17	*Melvin.*
Scales, Minnie Ivey,	B.S.		*Ackley, Ia.*
Scheftel, Yetta Molly,	A.B.	57	*Chicago.*
Schendel, Chrissie Mabel	A.B.		*Princeton.*
Schnabele, Hazel Marie,	A.B.	55	*Geneseo.*
Schreiber, Charles Henry,	A.B.	103	*Potter, S. D.*
Schreiner, Etta Emma,	B.S.		*Dubuque, Ia.*
Scott, Isaac Irving,	B.S.	13	*Waipukuran, New Zealand.*
Scott, Rae Emma,	A.B.	8	*Evanston.*
Scott, Thomas,	B.S.		*Onarga.*
Seager, Margaret Loretta,	B.S.	118	*St. James, Minn.*
Seaman, Anna Lucinda,	A.B.	110	*Dwight.*
Searight, Estella,	A.B.	104	*Montezuma, Ia.*
Sedgwick, Ray Hamilton,	B.S.	12	*Sandwich.*
Seed, Emily Rhoda,	A.B.	50	*Mt. Vernon.*
Seeligmann, Mathilda,	A.B.		*Berwyn.*
Segar, Charles Nelson,	B.S.	82	*Rockford.*
Shannon, Ethel Estelle,	A.B.		*Minneapolis, Minn.*
Shaw, James Chance,	B.S.	12	*Evanston.*
Shedd, Alice Emeline,	A.B.		*Rensselaer, Ind.*
Shedd, Edith Elmira,	A.B.		*Rensselaer, Ind.*
Shepard, William Odell,	A.B.	39	*Chicago.*
Sheridan, Thomas Harold,	B.S.	11	*Chicago.*
Shoesmith, Lulu Mae,	B.S.	12	*Lena.*
Shurtleff, Alice Ethloine,	A.B.	80	*Wilmette.*
Shute, Sarah Carleton,	B.S.	7	*Coon Rapids, Ia.*
Siberts, Olive Ruth,	B.S.	82	*Evanston.*
Siegmund, Lillian,	A.B.		*Montpelier, Ind.*
Sierts, Nicholas,	A.B.	54	*Chicago.*
Silliman, Alice,	B.S.		*Nevada, Ia.*

Slade, John J.	B.S.	14	*Palatine.*
Slocum, Helen Goudy,	A.B.	92	*Chicago.*
Slocum, John Ainslie,	A.B.	37	*Chicago.*
Smith, Elsie, Harriet,	B.S.	4	*Westfield, Ind.*
Smith, Frank Eugene,	A.B.	105	*Maryville, Mo.*
Smith, Frank Oscar,	B.S.	80	*Ransom.*
Smith, Harriet Evelyn,	A.B.	72	*Quincy.*
Smith, Helen,	B.S.	104	*Wooster, Ohio.*
Smith, Horace Greeley,	A.B.	80	*Ransom.*
Smith, Mildred Alola,	B.S.	98	*Westville, Ind.*
Smith, Orpha,	A.B.	110	*Harlow, Ia.*
Smoot, William Clay,	B.S.	17	*Petersburg.*
Smothers, Arthur Elton,	A.B.	46	*Rossville.*
Snell, Lila Henrietta,	B.S.	41	*Chicago.*
Snell, Roy Waldo,	B.S.		*Ida Grove, Ia.*
Sohrbeck, Henrietta,	A.B.	54	*Moline.*
Sommer, Wilhelmine,	B.S.	57	*Chicago.*
Sorlin, Oswald Daniel Milton,	A.B.		*Galva.*
Soulé, Claire,	A.B.	105	*San Bernardino, Cal.*
Sowers, Alva Boyd,	B.S.	12	*Genoa.*
Sparling, Sylvester,	B.S.	22	*Henry.*
Speck, Florence,	A.B.	13	*Oak Park.*
Spence, Bartholomew John,	B.S.		*Chicago.*
Spencer, Frank Edwin,	B.S.	72	*Centralia.*
Spencer, Hazel Harriet,	A.B.	21	*Chicago.*
Sproul, Hester May,	B.S.	100	*Elgin.*
Squires, Walter Albion,	B.S.	15	*Topeka, Kan.*
Stevens, Douglas Franklin,	B.S.	47	*Evanston.*
Stevens, George Marsden,	A.B.	87	*Chicago.*
Stevens, William Blue,	A.B.	74	*Chicago.*
Stickle, Charles Edwin,	A.B.		*Chicago.*
Stillman, Lee Anson,	B.S.		*Osage, Ia.*
Stockley, Florence Alberta,	A.B.	15	*Evanston.*
Stoner, Howard G.	A.B.		*Henry.*
Stout, Winnifred Luella,	A.B.		*Hurley, S. D.*
Stoutemeyer, Margaret Lee,	A.B.	48	*Onarga.*
Stratton, Chauncey,	B.S.		*Mt. Vernon.*
Strawson, Arthur John,	A.B.		*Evanston.*
Strong, Harriet Salome,	B.S.		*Downers Grove.*
Strother, Estelle Crawford,	B.S.	100	*Winfield, Kan.*
Summers, Lillian Maud,	A.B.	73	*Peoria.*
Surprise, Charles Levi,	A.B.	8	*Lowell, Ind.*
Sutherland, Martha Emma,	A.B.		*Pierre, S. D.*

Sutter, Jessie Veronica,	A.B.	15	*Chicago.*
Switzer, Lou Ethel,	A.B.	13	*St. Charles.*
Sykes, Everett William,	B.S.	12	*Beverly.*
Taylor, Myron Eugene,	A.B.	35	*Barrow, Wis.*
Taylor, Nain,	A.B.		*Hampton, Ia.*
Taylor, William James,	B.S.		*Evanston.*
Tedrick, Edna Muriel,	A.B.	111	*Morris.*
Thayer, Lola Stephene,	B.S.	106	*Evanston.*
Thistlewood, Leila,	B.S.		*Cairo.*
Thomas, Emma Jane,	B.S.	77	*Chicago.*
Thompson, Charlotte,	B.S.	99	*Leland.*
Thompson, Effie Louise,	B.S.	26	*Evanston.*
Thompson, Mabel Warner,	B.S.	46	*Ottawa.*
Thursby, Claire,	A.B.		*Evanston.*
Traxler, Bina Mae,	A.B.		*Evanston.*
Trelease, Ella,	A.B.	39	*Lowell, Ind.*
Truby, Estella May,	B.S.	58	*Maple Park.*
Tullis, Lela Dell,	A.B.	104	*Milford.*
Turner, Frances Viola,	B.S.	47	*Chicago.*
Turner, Jeremiah Hopeful,	A.B.	25	*Sandwich.*
Twining, Granville Howard,	B.S.	79	*Des Moines, Ia.*
Ulmer, Sarah Delia,	A.B.	84	*La Grange, Ind.*
Unzicker, Hedwig,	B.S.	53	*Chicago.*
Van Galder, Anna Claire,	A.B.	59	*Rock Island.*
Van Pelt, Roscoe Samuel,	A.B.	111	*Peoria.*
Vaughan, Etta Lucy,	B.S.	108	*Odell.*
Vaughan, Harrison Charles,	B.S.		*Arcola.*
Voight, Mary Sophia,	A.B.	37	*Kankakee.*
Wakeman, Olin Alonzo,	B.S.	65	*Melrose Park.*
Walker, Granville Faye,	B.S.		*Charleston.*
Wallace, Florence Victoria,	B.S.	13	*Chicago Heights.*
Wallace, LaRue,	B.S.	7	*Champion, Mich.*
Walter, Anne Llewllyn,	B.S.	13	*Boise, Idaho.*
Walters, Lillie Mae,	A.B.	94	*Harlan, Ia.*
Warrington, Isabel Ormiston,	A.B.	105	*Madden.*
Waterman, Virginia Pauline,	A.B.	11	*Evanston.*
Watkins, Axie Dell,	B.S.		*Petersburg.*
Watson, Elbert Arthur,	A.B.	13	*Parnell, Ind.*
Watts, Lawrence Arthur,	A.B.	26	*Austin.*
Wax, Margaret Valentine,	A.B.	68	*Barclay.*
Weary, Carolyn Maude,	A.B.	11	*Lanark.*
Wells, Bertha Louise,	A.B.	43	*Freeport.*
Wescott, James Barney,	B.S.		*Lacon.*

West, Louis Coulton,	A.B.	28	*Evanston.*
West, Sidney W.	B.S.	17	*Evanston.*
Wheelock, Grace,	A.B.	10	*Wilmette.*
Whipple, Jennie Gross,	A.B.	87	*Genoa.*
White, Bertha Maude,	A.B.	103	*Chicago.*
White, Jennie Bethany,	A.B.	104	*Princeton.*
Whitney, Henry James,	B.S.		*Independence, Ia.*
Wilberton, Laura,	A.B.	46	*Winona, Minn.*
Wilcox, Edna Caroline,	B.S.	100	*Minonk.*
Wiley, William Robert,	A.B.	108	*Evanston.*
Wilkinson, James Garfield,	B.S.		*Toulon.*
Wilkinson, Nellie,	B.S.		*Toulon.*
Williams, Everett.	B.S.	139	*Chicago.*
Williams, Elizabeth,	B.S.	75	*Chicago.*
Williams, Herman Henry,	A.B.	14	*N. Belvidere.*
Williams, Nina Alberta,	B.S.		*Spokane, Wash.*
Williamson, Ray Ferris,	B.S.	5	*Oronoco, Minn.*
Wilmarth, Sinclair Anson,	B.S.	29	*Glencoe.*
Willson, Royal Andrew,	B.S.	81	*Tallula.*
Wilson, Catherine Viola,	A.B.	25	*Evanston.*
Window, Amelia Thompson,	B.S.	74	*Evanston.*
Wishard, Glenn Porter,	B.S.	12	*Rensselaer, Ind.*
Wood, Cassius Hiram,	B.S.	33	*Cass City, Mich.*
Wood, Wallace Percival,	A.B.	16	*Milbank, S. D.*
Woodworth, Florence Jane,	B.S.	79	*Evanston.*
Woodworth, John Melvin,	B.S.		*Ida Grove, Ia.*
Works, Bernice,	B.S.	74	*Evanston.*
Works, Florence Ethel,	B.S.	74	*Evanston.*
Wulff, John Frederick,	B.S.	84	*Evanston.*
Wulff, Virginia Jeannette,	A.B.	67	*Kenosha, Wis.*
Young, Arthur Edwin,	A.B.		*Evanston.*
Young, Lily Mae,	A.B.		*Belvidere.*
Yount, Sarah,	B.S.	15	*Crawfordsville, Ind.*
Zackman, Martha Mae,	B.S.	15	*Oregon, Mo.*
Zentmire, Frank.	A.B.		*Oakland, Ia.*

NOT CANDIDATES FOR A DEGREE.

SPECIAL STUDENTS.

Ahlers, Helene Adele,	*Bellevue, Ia.*
Allard, Leola Imogen,	*Pueblo, Colo.*
Axtell, Warren Foso,	*Joliet.*
Ayer, Mittie Edith,	*Kewanee.*
Barr, Agnes Paterson,	*Ingersoll, Ont.*
Basquin, Jessie Guthrie,	*Evanston.*
Bigelow, Marguerite Ogden,	*Evanston.*
Bliss, Fannie Barnett,	*Oak Park.*
Bradley, Edith Irene,	*Evanston.*
Brown, Edith Grace,	*Kewanee.*
Brown, John Lincoln,	*Elgin.*
Buzzard, Joseph C.,	*Goshen, Ind.*
Cassady, Edith,	*Whiting, Ia.*
Clark, John Alexander,	*Evanston.*
Cockeram, Alfred Normal,	*Menominee, Wis.*
Collmann, Pearl M.,	*Madison, Wis.*
Conley, Margaret Mae,	*Evanston.*
Crumbaker, Victor Armsted,	*Fairbury.*
Daniels, Lucretia Ellen,	*Danville.*
Edwards, Eveline S.,	*Evanston.*
Foster, Clyde Dewight,	*Lowell, Ind.*
Garrett, Frank William,	*Momence.*
Gilbert, Samuel Harvey,	*Armstrong.*
Grant, Avis Winchell,	*Evanston.*
Green, Walter Chester,	*Rockford.*
Gruetter, Theodore William,	*Chicago.*
Hagar, Charles Edward,	*Joliet.*
Hall, Frances Alys,	*Oak Park.*
Harris, Isabel W.,	*Evanston.*
Hatch, Hattie E.,	*Evanston.*
Haugan, Ragna,	*Evanston.*
Hebblethwaite, Leon Leslie,	*Evanston.*
Heflin, Pearl Pauline,	*Wenona.*
Heiskell, William Henry,	*Galveston, Texas.*
Hemphill, Ethel,	*Dexter, Ia.*
Herrick, Ruth Knouse,	*New Haven, Ind.*
Hojio, Rikinosuke,	*Shizuokalen, Japan.*
Hutchins, Carleton Brown,	*Chicago.*
James, William Alfred,	*Chicago.*
Jamieson, Percy David,	*Evanston.*
Jones, Camille Robinson,	*Milford.*

Judd, Sarah Alice,	*Chicago.*
Kelley, Helen Ursula,	*Hampton, Iowa.*
Kennish, Carroll Everett,	*Kewanee.*
Larash, Leonidas Horney,	*Rushville.*
Larsen, Ralph Earle,	*Los Angeles, Cal.*
Larson, Charles Elias,	*Chicago.*
Lauderbaugh, Nellie May,	*Geneseo.*
Long, Carl Samuel,	*Newman.*
McDonald, Ernest William,	*Severy, Kan.*
Mills, Dorothy Blanche,	*Berwyn.*
Minium, Ruth Bower,	*Kankakee.*
Mitchell, Florence Louise,	*Evanston.*
Moore, Walter Howard,	*Trevor, Wis.*
Morgan, Alta Hattie,	*Aledo.*
Mumford, Grace Roslyn,	*Evanston.*
Neal, May Ethel,	*Evanston.*
Nelson, Florence Charlotte,	*Evanston.*
Norton, Alice Luthera,	*Evanston.*
Orchard, Grace Beatrice,	*Evanston.*
Paul, Frank M., Jr.,	*Wilmette.*
Payer, Josephine,	*River Forest.*
Piester, Winnifred Allene,	*Marseilles.*
Rebman, Edythe McDonald,	*Dubuque, Ia.*
Roberts, Charles Samuel,	*Mason City, Ia.*
Roberts, Lloyd Ruby,	*Adele, Ia.*
Rodgers, Patti Adelina,	*Charleroi, Pa.*
Rogers, Nellie,	*Michigan City, Ind.*
Rowland, Delta Eulilla,	*Lanark.*
Royce, May Blossom,	*Malcolm, Ia.*
Sawyer, Walter Amos,	*Marysville, Ohio.*
Schofield, Katherine Sada,	*Dayton, Ohio.*
Scott, Fannie Harriet,	*Marysville, Ohio.*
Shibley, Alfred Erle,	*St. Charles.*
Snell, Thaddeus Stevens,	*Ida Grove, Ia.*
Snyder, Helen Louise,	*Freeport.*
Taylor, Ralph Clarence,	*Evanston.*
Teague, Martha Evelyn,	*Rockford.*
Tuttle, Mamie Eliza,	*Richland Center, Wis.*
Wallace, Ralph C. J.,	*Homer.*
Ware, Mary A.,	*Granville.*
White, Herbert Hamlin,	*Boise, Idaho.*
Witter, John H.,	*Greenview.*
Woodmansee, Cicero McGown,	*Evanston.*

ACADEMY STUDENTS DOING SOME COLLEGE WORK.

Anderson, Ernest Emil,	*Donovan.*
Beaton, Eleanor,	*Galena.*
Benedict, Edwin Bayot,	*Chicago.*
Bogardus, Emory Stephen,	*Belvidere.*
Brown, John Roscoe,	*Grant, Mich.*
Butterfield, Charles Edwin,	*Belvidere.*
Coffey, Roy Calhoun,	*Newman.*
Draper, Newton W.,	*Mayberry.*
Dunn, Horace Atwood,	*Chicago.*
Durand, Fred Arthur,	*Chicago.*
Elliott, Janet Grace,	*Peotone.*
Farley, Dean,	*Chicago.*
Forrey, LaJeune Churcher,	*Evanston.*
Gorsuch, Edith Irene,	*Pekin.*
Haas, Felix Harold,	*Butler.*
Hansen, Edwin Carsten,	*Chicago.*
Johnson, Nelson Houlden,	*Box Grove, Ont.*
Knudson, Clarence William,	*Racine, Wis.*
Lavery, Vaughan Metcalf,	*Evanston.*
Leslie, William Robert,	*Tolono.*
McNulty, Byron,	*Chicago.*
Mamer, Jacob George,	*Odell.*
Marsden, Roger,	*St. Charles.*
Norquist, Clyde LeRoy,	*Jamestown, N. Y.*
O'Farrell, Thomas Arch,	*Pana.*
Poutra, Elmer Harry,	*St. Anne.*
Raffington, Mima,	*Chicago.*
Richart, Blanche Belle,	*Lena.*
Rosenberg, Saidee,	*Evanston.*
Shoesmith, Juna Ethel,	*Lena.*
Weaver, Bruce Stevens,	*Evanston.*

MUSIC STUDENTS DOING SOME COLLEGE WORK.

Andrews, Florence Ethel,	*Chicago.*
Bauer, Addie Lilly,	*Wahpeton, N. D.*
Berry, Ivy Belle,	*Savannah.*
Boles, Flora Alice,	*Fort Worth, Ark.*
Brickley, Lelia G.,	*Markle, Ind.*
Brown, Jessie Lois,	*Canton.*
Campbell, Mabel Maud,	*Newberry, Mich.*

Fisher, Hattie Louise,	*Aberdeen, S. D.*
Girton, Edith Alice,	*Madison, S. D.*
Gurnee, Clara Lindsley,	*Waukegan.*
Hart, Ethel L.,	*St. Joseph, Mo.*
Hazelton, Jessie Lucia,	*Chicago.*
Keeshan, Robina,	*Junction City, Kan.*
Kroehnke, Nan,	*Keystone City, Ia.*
Miehle, Maud Emeline,	*Chicago.*
Nichols, Mildred Gates,	*West Liberty, Ia.*
Pond, Florence **Adele**,	*Minneapolis, Minn.*
Seerley, Hazel Virginia,	*Burlington, Ia.*
Shotwell, Elizabeth Liddell,	*Evanston.*
Sohrbeck, Julia Marguerite,	*Moline.*
Squire, Walter Edmund,	*Aurora.*
Stacey, Ruby Hazzard,	*Aberdeen, S. D.*
Stults, Walter Allen,	*Evanston.*
Walters, Edith Deane,	*Harlan, Ia.*
Ward, Elizabeth Hester,	*Chicago.*
Woodruff, Nina May,	*Belvidere.*

STUDENTS FROM GARRETT BIBLICAL INSTITUTE.

Harriott, William Christopher,	*Chicago.*
McKeever, Laurence,	*Salina, Kan.*
Springer, Isaac Elihu,	*Hazel, S. D.*
Weifenbach, Eugene,	*Evanston.*

THE MEDICAL SCHOOL.

SENIOR CLASS.

Alexander, William G., B.S., De Pauw University.	*Illinois.*
Andrews, Neil, A.B., Brown University.	*Rhode Island.*
Aplin, Floyd Walter,	*Wisconsin.*
Axelson, John Martin, M.D., Bennett Medical College.	*Sweden.*
Beckman, Henry Frederick,	*Indiana.*
Black, Robert Alfred,	*Iowa.*
Blue, Robert Bruce, A.B., Cornell College.	*Iowa.*
Blynd, George Theophilus, A.B., University of Wisconsin.	*Wisconsin.*
Bos, Cornelius N.,	*Illinois.*
Burkland, Philip Richard, B.A., University of South Dakota.	*South Dakota.*
Burleson, Charles Emory,	*New York.*
Campbell, Benjamin F., M.D., College of Physicians and Surgeons, Keokuk.	*Iowa.*
Carmichael, Francis Abbot,	*Colorado.*
Clark, Charles Webster, M.D., Bennett Medical College.	*Illinois.*
Coakley, Grover Cleveland,	*Iowa.*
Colburn, William Orlin,	*Iowa.*
Connell, James Albert,	*Illinois.*
Conover, Henry Frank,	*Wisconsin.*
Cox, James Peter,	*Wisconsin.*
Cressler, Frank Ernest,	*Iowa.*
Dyas, Frederick George,	*Illinois.*
East, Clarence Wilson,	*Illinois.*
Emrick, Mortimer Elihue,	*Illinois.*
Evans, Frank Butler,	*Iowa.*
Ferrell, Barney, B.S., Northern Indiana Normal College.	*Illinois.*
Fisher, Albert M.,	*Nebraska.*
Fitz Jerrell, Harry Bacon,	*Illinois.*
Fosse, Benjamin, B.A., Beloit College.	*Illinois.*
Fouser, George Garrett, M.D., Chicago Homeopathic Medical College.	*Illinois.*
Fulton, Claire W.,	*Illinois.*

Galbreth, Jesse Plemy, *Indiana.*
Gannaway, Charles Robertson, *Iowa.*
George, Shaul, B.S., *Persia.*
Northern Indiana Normal School.
Godfrey, Almon T., A.M., *Michigan.*
Hope College.
Graser, Charles John, Ph.G., *Illinois.*
Northwestern University.
Grayston, Wallace Slack, *Indiana.*
Griswold, Walter Stanley. B.A., *Washington.*
University of Washington.
Grove, Eugene Hayes, Ph.G., *South Dakota.*
South Dakota Agricultural College.
Guilfoyle, John Peter, *Illinois.*
Hagan, John, *Iowa.*
Hagan, Martin, *Iowa.*
Hargreaves, Oliver Cromwell, Ph.G., *Illinois.*
Northern Indiana Normal School.
Heiges, Lawrence E., B.S., *Ohio.*
Hiram College.
Hercules, Clarence Oraville, *Ohio.*
Hinman, Clayton Jay, B.S., *Illinois.*
University of Southern California.
Hoff, Gustav Carl, *Minnesota.*
Holmes, Jesse George, B.S., *Iowa.*
Tabor College.
Hubbard, Orton, *Illinois.*
Huene, Harry James, *Iowa.*
Hyett, James Erfert, B.S., *Kansas.*
Washburn College.
Jern, J. Hjalmar, *Wisconsin.*
Johnston, Ellis A., B.S., *Nebraska.*
University of Nebraska.
Kaley, Clifford M., *Illinois.*
Karshner, Warren Melvin, B.S., *Washington.*
University of Washington.
Keating, William Walter, Ph.G., *Wisconsin.*
Indiana College of Pharmacy.
Kern, Nicholas Henry, *Illinois.*
Kilbourn, Edward D., *Kansas.*
Kinnear, Theron James, A.B., *Kansas.*
Kansas University.
Kretschmer, Herman L., Ph.G., *Illinois.*
Northwestern University.
Kyle, William Simpson, *Iowa.*
Laughlin, Daniel Joseph, *Iowa.*
Lemery, Benjamin David, *Illinois.*
Lovell, John Gibbs, *Illinois.*
Lowis, William John, *Iowa.*

Lyon, John Dexter, *Iowa.*
McDeed, Winfield Grant, *Illinois.*
McGinnis, Edwin, A.B., *Illinois.*
University of Michigan.
McMillan, Edwin Harbaugh, Ph.G., *Pennsylvania.*
Pittsburg College of Pharmacy.
Malloy, Edward, *Iowa.*
Malone, Francis Andrew, *Wisconsin.*
Malone, Francis Frederick, B.Sc., *Nebraska.*
University of Nebraska.
Mandel, Milton, *Illinois.*
Martin, Thomas Edwin, *Iowa.*
Mattison, Samuel Jones, Jr., *Maryland.*
Miner, Elmer Andrew, Ph.B., *Illinois.*
Northwestern University.
Mitchell, Robert Sanford, *Nebraska.*
Mueller, Emil Frederick, *Iowa.*
Moessner, Frederick Richard, *Wisconsin.*
Mollinger, Simon Matthew, *Wisconsin.*
Mulvaney, Frank Mathias, *Wisconsin.*
Myers, John Proctor, *Oregon.*
Neumann, William Henry, Ph.C., *Minnesota.*
University of Minnesota.
Nolan, John Joseph, *Illinois.*
Nolte, Willis Clever, *Iowa.*
Norcross, Edward P., *Wisconsin.*
Orr, Harry Delphos, B.S., *Kansas.*
Kansas State Agricultural College.
Owen, Carl Shuey, Ph.B., *Illinois.*
Oberlin College.
Pavlik, Otto Steve, Ph. G., *Illinois.*
Northwestern University.
Perkins, Edwin L., *South Dakota.*
Perry, Henry Ernest, M.D., *Michigan.*
Michigan College of Medicine and Surgery.
Peters, Arthur Otway, *Ohio.*
Phelps, Frank Wesley, B.S., *Illinois.*
Northwestern University.
Pittenger, Fred Allen, M.D., *Illinois.*
Chicago Homeopathic Medical College.
Rain, Charles William, *Nebraska.*
Redmond, Thomas Michael, *Iowa.*
Reese, Henry Lindley, M.A., *Washington.*
University of Washington.
Rideout, Merton Elbridge, *Wisconsin.*
Rittenhouse, Walter, *Illinois.*
Robinson, Parker Burdell, B.S., *Ohio.*
Ohio Normal University.

Roby, Harlow Stanley, M.D., Hahnemann Medical College. *Illinois.*
Sawyer, Charles Francis, *Wisconsin.*
Schofield, Joseph Robert, B.S., University of Nebraska. *Nebraska.*
Schrup, Joseph Henry, *Iowa.*
Sherman, Benjamin Harry, *Iowa.*
Slater, Edgar Charles, *Illinois.*
Sleeper, Lawrence Edward, *Iowa.*
Smith, C. Colfax, Ph.G., Drake University. *Iowa.*
Smith, Carroll Lee, B.S., University of Idaho. *Washington.*
Smith, Edward Vincent, *Illinois.*
Sparks, Francis Rufus, *Illinois.*
Spurgeon, Glenn Charles, Ph.B., Colorado College. *Iowa.*
Stauffer, Walter Allen, *Indiana.*
Stephens, Oliver Zuingles, A.B., Austin College. *Illinois.*
Still, George Anderson, B.S., Drake University. *Iowa.*
Struve, Carl Philip, *Wisconsin.*
Struzynski, Walter, *Illinois.*
Talbot, Charles Albert, *Missouri.*
Thompson, Nathan Lincoln, Ph.G., Philadelphia College of Pharmacy. *Vermont.*
Van Buren, Arthur, *Iowa.*
Wagener, Nicholas Zephronius, *Wisconsin.*
Waggoner, Jonathan Elisha, M.D., Bennett Medical College. *Missouri.*
Warhanik, Charles Augustus, Ph.G., University of Illinois. *Illinois.*
Weddle, Charles, *California.*
Werner, Fred, *Illinois.*
Whitcomb, Orrin John, Ph.B., Hamline University. *Minnesota.*
Wilson, Harold Kenneth, *Missouri.*
Wolfe, Vogt Gales, *Ohio.*
Wolff, Maurice Berwin, *Illinois.*
Woodruff, Robert Henry, *Iowa.*
Woods, Arthur Waterston, B.S., Northwestern University. *Illinois.*
Wright, Frank, Ph.C., Northwestern University. *Illinois.*
Zierath, William Frederick, *Wisconsin.*

THIRD YEAR.

Anderson, Axel Walfrid, B.S., Northwestern University. — *Illinois.*
Anglin, George Washington, — *Indiana.*
Bain, Walter Gelvin, A.B., University of Michigan. — *Michigan.*
Barry, Shifley De Vere, — *Washington.*
Beach, Arthur Earl, LL.B., University of Iowa. — *Iowa.*
Beecher, Charles Edwin, — *Wisconsin.*
Belsan, James Calvert, A.B., St. Ignatius College. — *Illinois.*
Benner, Charles Russell, — *Indiana.*
Bessesen, William Aaron, A.B., University of Minnesota. — *Minnesota.*
Blankmeyer, Harry C., Ph.G., Ada College of Pharmacy. — *Ohio.*
Blewett, Martin, — *Wisconsin.*
Blowers, Walter May, — *Iowa.*
Boswell, James Henry, B.S., University of Nebraska. — *Nebraska.*
Bradway, Everett Haworth, A.B., Hedding College. — *Illinois.*
Brandt, George Carl, D.D.S., Northwestern University. — *Iowa.*
Brewster, Roger Bernard, — *Kansas.*
Brooks, Earl Brisbin, B.S., State University of Nebraska. — *Nebraska.*
Budge, Thomas, D.D.S., Chicago College of Dental Surgery. — *Idaho.*
Burbach, William Martin, — *Illinois.*
Burfiend, George Herman, — *Montana.*
Burleigh, Benjamin Wade, A.B., Yankton College. — *Illinois.*
Carey, Henry Benjamin, B. S., University of Minnesota. — *Minnesota.*
Carr, Walter Austin, — *Kansas.*
Cartmell, Harry D., — *Illinois.*
Chase, Ezra Dwight — *Minnesota.*
Clements, Robert, — *Illinois.*
Cline, Clifford M., — *Iowa.*
Combs, Burr, — *Iowa.*
Crawford, Clyde Houston, — *Illinois.*
Croston, George Colville, — *Iowa.*
Crouch, John Baker, — *Iowa.*
Crumpacker, Chester Blaine, — *Indiana.*
Cunliffe, Robert Alexander, — *Michigan.*

Curfman, George Hardin, Ph.B., Northwestern University.	*Missouri.*
Curtis, Walter Pingree,	*Iowa.*
Dowling, George Aiken,	*Minnesota.*
Duckett, Harold,	*New York.*
Duncan, James Todd,	*Iowa.*
Dyer, John Sidney,	*Iowa.*
Egloff, George Eugene,	*Iowa.*
Ehlers, Frederick Ferdinand, D.D.S., Northwestern University.	*Illinois.*
Else, John Earle, Ph.G., B.S., South Dakota Agricultural College.	*Washington.*
Engelson, Christian Johan, Ph.G., Northwestern University.	*South Dakota.*
Fahrner, Walter Jewett,	*Illinois.*
Fair, Frederick Ferdinand,	*Illinois.*
Franzen, Herman Gustavus,	*Minnesota.*
Gates, Adam John,	*Wisconsin.*
Gelow, John Ernest, Ph.G., Valparaiso College.	*Indiana.*
Gill, John Joseph, Ph.G., Northwestern University.	*Illinois.*
Goebel, Alfred William,	*Wisconsin.*
Gooder, William Vernon,	*Wisconsin.*
Goodrich, Joseph Albert, B.S., Highland Park College.	*Iowa.*
Grant, Oliver Perry,	*Illinois.*
Hamilton, J. T. Stewart,	*Illinois.*
Hart, Bertrand Maynars, Ph.G., B.S., South Dakota Agricultural College.	*Wisconsin.*
Hanna, Lester Charles, Ph.G., University of Nebraska.	*Nebraska.*
Hiebert, John Paul,	*Minnesota.*
Hoglund, Emil J.,	*Illinois.*
Holcomb, Oscar William, Ph.G., Minnesota Institute of Pharmacy.	*Minnesota.*
Howard, William Arthur,	*Iowa.*
Howell, James Roland,	*Iowa.*
Hoyt, John E.,	*Iowa.*
Hummell, Ray Orvin, B.Sc., University of Nebraska.	*Nebraska.*
Hymer, Edward Staton,	*Kansas.*
Jacobson, Alfred Frederick,	*Wisconsin.*
James, Ralph Ward	*Iowa.*
Johannes, Henry Charles,	*Illinois.*
Jordan, George Thomas, B.S., University of South Dakota.	*South Dakota.*
Kahler, Hugo Victor,	*Iowa.*

Kay, Milton,	*Oregon.*
Keating, William Dennis,	*Illinois.*
Kelly, John Edward,	*Wisconsin.*
Kershner, Frank Otho, A.B., University of Kansas.	*Kansas.*
Killian, John Elmer,	*Texas.*
King, Hiram Irving,	*Wisconsin.*
Klontz, Charles Edward,	*Illinois.*
Knoop, William Albert,	*Illinois.*
Kolb, Frederick Karl,	*Wisconsin.*
Kremers, Alexander,	*Wisconsin.*
Krohn, William Otterbein, A.B., Ph.D., Yale University.	*Illinois.*
Krost, Robert Agedius, B.S. Notre Dame University.	*Indiana.*
Kuntz, Wesley W.,	*Illinois.*
Larimer, Guy Wayne, A.B., Northwestern University.	*Iowa.*
Libberton, Raymond Claude, B.S., Northwestern University.	*Illinois.*
Lilly, John Mathew,	*Illinois.*
Löser, Wilhelm,	*Oklahoma.*
Lynch, Daniel Webster,	*Wisconsin.*
McCoy, Bernard Eberth,	*Iowa.*
McCrory, Thomas James,	*Wisconsin.*
McElroy, Lee, B.S., Knox College.	*Illinois.*
McEwan, John Singer,	*Mexico.*
McGauley, Francis Martin,	*Wisconsin.*
McIntosh, John Jerome,	*Illinois.*
McQuilkin, George Arthur,	*New York.*
Magee, William George,	*Iowa.*
Marken, Martin Hiram,	*Wisconsin.*
Martin, George Henry,	*Illinois.*
Mead, David Oscar,	*Illinois.*
Medlar, Clyde Avery,	*Nebraska.*
Meusel, Harry Herwin,	*Wisconsin.*
Meyerovitch, Isadore Leon,	*Indiana.*
Minnick, Clarence,	*Nebraska.*
Morey, John,	*Louisiana.*
Morran, James Joseph,	*Illinois.*
Newell, George Warren,	*Wisconsin.*
Newton, Herman Christian, D.D.S., Northwestern University.	*Illinois.*
Niemann, George H., Ph.C., University of Kansas.	*Oklahoma.*

O'Brien, Joseph Eugene,	*Illinois.*
O'Callaghan, Charles Daniel,	*Illinois.*
Peck, David Billings,	*Illinois.*
Pfeiffer, Harry Earl,	*Canada.*
Phillips, John Gilbert,	*Michigan.*
Ranney, Thomas Pollock,	*Iowa.*
Reyher, Chris Michel,	*Indiana.*
Richards, Roy Charlton,	*Illinois.*
Riordan, John Francis,	*Indiana.*
Rogers, Ford B.,	*Missouri.*
Rowe, Charles Edgar, Ph.G., Northwestern University.	*Wisconsin.*
Rowe, Edward Winfield, B.Sc., University of Nebraska.	*Nebraska.*
Rudolf, Solomon Francis,	*Wisconsin.*
Schmidt, Florian Edward, B.S., University of Chicago.	*Illinois.*
Schroeder, George Fred Carl, Ph.G., Northwestern University.	*Illinois.*
Scroggy, John Quincy Adams, Ph.G., Northwestern University.	*Iowa.*
Sheehan, Edward Michael,	*Iowa.*
Smelker, Van Archibald,	*Wisconsin.*
Stribling, James Wiley,	*Iowa.*
Thauwald, Charles Casper,	*Minnesota.*
Thompson, Richard Samuel,	*Idaho.*
Tobey, Willis Gutner, A.B., Otterbein University.	*Illinois.*
Trewhella, James,	*Michigan.*
Trewyn, William Thomas,	*Wisconsin.*
Vedder, Harry Albert,	*Wisconsin.*
Vedder, James Blaine,	*Wisconsin.*
Waldner, John L.,	*South Dakota.*
Waldschmidt, William Jacob,	*Wisconsin.*
Waterman, Sigismund Franklin,	*Illinois.*
Wilson, Julius Henry,	*Illinois.*
Wood, George Augustus,	*Oregon.*
Yerger, Charles Francis, Ph.G., Northwestern University.	*Illinois.*

SECOND YEAR.

Allen, Joseph Randolph, B.S., Iowa State College of Agriculture.	*Nebraska.*
Baker, Carl,	*Illinois.*
Barrett, James Dennis, A.B., Indiana State University.	*Minnesota.*
Barry, Joseph David, B.S., University of Nebraska.	*Nebraska.*
Beardsley, John Wallace,	*Indiana.*
Blood, Roscoe Paramore,	*Illinois.*
Booker, Arthur John,	*Texas.*
Boyden, Frank Edson, Ph.G., B.S., South Dakota Agricultural College.	*South Dakota.*
Brooks, Overton,	*Kentucky.*
Bruins, Dirk, A.B., Ripon College.	*Wisconsin.*
Burke, Charles B.,	*Iowa.*
Burton, Edgar Curtis,	*Illinois.*
Chapline, Frank LeRoy,	*Illinois.*
Conover, John Lindsay,	*Wisconsin.*
Coole, Thomas H., A.B., Baker University.	*Illinois.*
Corwin, Charles T., B.A., Tri-State Normal College.	*Indiana.*
Crist, Otto H.,	*Indiana.*
Culbertson, Fred David,	*Iowa.*
Dailey, Ulysses Grant,	*Texas.*
Dakin, Wirt B.,	*Michigan.*
De Kleine, William, A.B., Hope College.	*Michigan.*
Dietrich, Lewis Samuel, Ph.B., Simpson College.	*Iowa.*
Donohue, Eugene Joseph,	*Wisconsin.*
Doupe, Joseph H.,	*Michigan.*
Driscoll, James Patrick,	*Wisconsin.*
Du Bois, Walter Lynn, B.D., University of Iowa.	*Iowa.*
Duntley, George Silas, Ph.G., Northwestern University.	*Illinois.*
Easton, Milo Tripp,	*Illinois.*
Fenton, Ralph Albert, A.B., University of Oregon.	*Oregon.*
Foster, Edwin Henry Tobias,	*Ohio.*
Frush, Henry Lindley, B.S., Parsons College.	*Iowa.*
Gill, George Patrick,	*Illinois.*
Grant, William Robert,	*Illinois.*

Green, John Albert,	*Illinois.*
Hall, Herbert Edward, A.B., Otterbein University.	*Ohio.*
Hand, William Cory,	*Iowa.*
Haugen, Hans,	*North Dakota.*
Hayes, Richard,	*Ireland.*
Heath, Clifford Jackson,	*Wisconsin.*
Hendricks, Hiram Porter,	*Illinois.*
Hershfield, Alexander Sandor,	*Illinois.*
Hinchion, Timothy Richardson,	*Iowa.*
Hoagland, Charles Clinton, A.B., University of South Dakota.	*South Dakota.*
Hochrein, George Walker,	*Wisconsin.*
Hohf, Julius Amos, B.S., Freemont Normal School.	*South Dakota.*
Hottinger, Erwin Stauer,	*Illinois.*
Hubbard, John Hyrum,	*Utah.*
Hubbell, Harlan,	*Illinois.*
Hughes, John Elmer,	*Missouri.*
Hutcheson, Bellenden Seymour,	*Illinois.*
Iddings, John Warren,	*Indiana.*
Ingham, Cecil,	*Indiana.*
Ingraham, Eben Russell,	*Pennsylvania.*
James, Lora Douglas,	*Iowa.*
Jampolis, Mark, A.B. University of Michigan.	*Illinois.*
Jeffries, Willard Guy,	*Iowa.*
Jeffrey, Alexander Balfour, Ph.B., Simpson College.	*Iowa.*
Kan, Alexander M.,	*Illinois.*
Keyser, Ralph Emmert,	*Illinois.*
Lambert, Oscar Bernhardt,	*Michigan.*
Lehrbach, Lester Martin,	*Wisconsin.*
Lewison, Maurice,	*Illinois.*
Little, George Reed	*Kansas.*
Lister, William Weaver,	*Illinois.*
Long, Walter Klingeman, B.Sc., University of Nebraska.	*Nebraska.*
Lynch, Robert J.,	*Iowa.*
McPherson, Fayette,	*Illinois.*
Merrill, Preston Reynolds,	*Utah.*
Mertz, Ezra Franklin, Ph.B., Cornell College.	*Iowa.*
Meyers, Harry Louis,	*Illinois.*
Miller, George Alexander,	*Washington.*
Moeller, Frederick William,	*Illinois.*

Moes, Mathias Joseph,	*Iowa.*
Moreland, Wilber,	*Illinois.*
Munn, Wayne Alonzo,	*Illinois.*
Murphy, John Harvey, B.S., Knox College.	*Illinois.*
Napheys, William Davison,	*Illinois.*
Nauth, Daniel Fredericke,	*Wisconsin.*
Nelson, Nels Christian,	*Oregon.*
Niles, Sidney Cleveland, A.B., University of Michigan.	*Illinois.*
Oldham, Ernest Price,	*Utah.*
Olschner, Berthold Robert	*Illinois.*
Pascoe, Henry Roscoe, Ph.B., Simpson College.	*Iowa.*
Pengelly, Edward John,	*Wisconsin.*
Penney, Warren Bert,	*Iowa.*
Pickard, Rawson Joseph, B.S., University of Wisconsin.	*Illinois.*
Piper, Lawrence Phillip,	*Illinois.*
Reineck, Charles,	*Wisconsin.*
Ritchey, William McIntosh,	*Pennsylvania.*
Roach, Richard Aloysius,	*Illinois.*
Roberts, Philip F.,	*Illinois.*
Salyers, John Oswell,	*Illinois.*
Schaefer, Rudolph A.,	*Nebraska.*
Seyfarth, Clarence Alexander,	*Illinois.*
Sharpe, Walter Stokes,	*Illinois.*
Silverthorn, Frank Ross,	*Wisconsin.*
Slater, Ernest William,	*Illinois.*
Smith, Harvey,	*Illinois.*
Snowden, Robert Hurst,	*Iowa.*
Spitz, Eugene Aaron,	*Illinois.*
Stanley, Otis Orion, M.S., University of Illinois.	*Illinois.*
Stevenson, Robert Guy,	*Minnesota.*
Stewart, James Golden,	*Illinois.*
Stoll, Arthur Hugh,	*Wisconsin.*
Storer, Neile Spooner,	*Ohio.*
Streuter, Albert Frank,	*Illinois.*
Swank, Judge Robert,	*Illinois.*
Teitgen, Arthur,	*Wisconsin.*
Thompson, John Godfrey,	*Minnesota.*
Tucker, Walter G.,	*England.*
Van De Mark, Guy Ernest,	*South Dakota.*
Walker, George Stanbery,	*Illinois.*

Wallace, James Wilson,	*Illinois.*
White, Hugh James,	*Illinois.*
Whiteside, Jesse Du Bois,	*South Dakota.*
Williams, Everett B.,	*Illinois.*
Wood, Roscoe David,	*Iowa.*
Woodward, Clayton Emory,	*Illinois.*
Worth, Craig,	*Iowa.*
Yudelson, Albert Bernard,	*Illinois.*

FIRST YEAR.

Abbott, Charles Noble,	*Wisconsin.*
Ackerman, David,	*Illinois.*
Antoine, Felix Carpentier,	*Louisiana.*
Asher, Harvey Combs,	*Indiana.*
Bailey, Arthur Jay,	*Illinois.*
Beach, William Henry,	*Nebraska.*
Bigler, Sherman Edwin,	*Illinois.*
Blachley, Tracy Wentworth,	*Iowa.*
Bohan, John Michael,	*Illinois.*
Bothwell, Clyde Dee,	*Iowa.*
Boyd, William Fletcher,	*Canada.*
Briggs, Walter Roscoe,	*Illinois.*
Burger, Harry Ernest	*Wisconsin.*
Carpenter, Frederick Denniston,	*Oklahoma.*
Chase, Warren W.,	*Illinois.*
Clayton, George Raymond,	*Indiana.*
Clyne, Mead,	*Illinois.*
Cohenour, Elmer Ledley,	*Illinois.*
Cox, George Washington,	*Illinois.*
Croft, Edward Woolley.	*Idaho.*
Diller, Adam Elmer, B.S., North Western College.	*Illinois.*
Dorland, Clareld Edison, Ph.C., Northwestern University.	*Wisconsin.*
Eustace, Arthur Barnett,	*Illinois.*
Farrell, Edward Joseph,	*Illinois.*
Forbush, Sanford W.,	*Illinois.*
French, Harley Ellsworth, A.B., Washington Agricultural College.	*Idaho.*
Frey, Phillip George,	*Wisconsin.*
Frost, John Garfield,	*Illinois.*
Geissinger, John Dewalt,	*Iowa.*
Hamilton, Oliver Prescott,	*Illinois.*
Handelman, Louis,	*Illinois.*

Hansen, Arthur	*Illinois.*
Harding, Jacob Dwight,	*Washington.*
Hartman, Evert Clarence,	*Wisconsin.*
Hatch, Walter Edmund,	*Wisconsin.*
Hofer, Michael Martin,	*South Dakota.*
Hollenbeck, Henry Stanley, B.A., Iowa State University.	*Iowa.*
Holm, Marinus L., Ph.C., Northwestern University.	*South Dakota.*
Hoover, Frank B.,	*Illinois.*
Hopkins, Nelson Kingsley,	*Illinois.*
Hoy, Carl Da Costa,	*Illinois.*
Hromadka, August Benj., Ph.G., Highland Park College of Pharmacy.	*Nebraska.*
Jackson, Harry,	*Illinois.*
Jäger, Thor. Jager,	*Sweden.*
Johnston, Robert Currie,	*Illinois.*
Karney, Roy Foster,	*Wisconsin.*
Kelsheimer, Ira D.,	*Illinois.*
Kershaw, Robert B., Ph.G., Highland Park College.	*Illinois.*
Kirby, Alfred Darwin,	*Illinois.*
Levinson, Jacob Gotland, Reg.Ph.,	*Illinois.*
Ludwig, Otto Paul,	*Minnesota.*
Lukens, Ralph Elmer,	*Illinois.*
McClelland, Clarence Edgar,	*Illinois.*
McIntyre, Louis Learoy,	*Illinois.*
Mills, Ralph Garfield, A.B., University of Illinois.	*Illinois.*
Mitchell, Claire H., A.B., Simpson College.	*Iowa.*
Mitchell, Edward Clay,	*Illinois.*
Morgan, John Richard,	*Idaho.*
Morrison, Paul,	*Missouri.*
Morse, Raymond Clark,	*Washington.*
Munch, Fred Elmer,	*Illinois.*
Nelson, David Roy,	*Illinois.*
Nickerson, Carl V.,	*Illinois.*
Oppenheim, Joseph Julius,	*Illinois.*
Patton, Matthew Morrison,	*Illinois.*
Porter, Ward Kendrick,	*Wisconsin.*
Pugsley, George William, Ph.G., Highland Park College.	*Iowa.*
Rasper, Felix H.,	*Illinois.*
Redman, Fred Eli,	*North Dakota.*
Rogers, Elton B., A.B., Simpson College.	*Iowa.*

Rosenzweig, Louis,	*Illinois.*
Sharpe, Howard Addison, Ph.C., Northwestern University.	*Wisconsin.*
Shepard, Gail Peter, B.S., Fargo College.	*North Dakota.*
Shepard, Frank Leon, B.A., Fargo College.	*North Dakota.*
Siebel, John Ewald, Jr., Ph.C., Northwestern University.	*Illinois.*
Sims, Leslie Bennett,	*Nebraska.*
Sowerby, James Herbert,	*Michigan.*
Stanton, John W.,	*Illinois.*
Swift, George Wilkins, Ph.G., University of Washington.	*Washington.*
Torell, Emil Ernest, A.B., Augustana College.	*Illinois.*
Uhrich, John Michael,	*Canada.*
Vaughan, John George, B.S. Northwestern University.	*Illinois.*
Wanamaker Allison Temple, Ph.G., University of Washington.	*Washington.*
Weidner, Max,	*Wisconsin.*
Weil, Harry,	*Illinois.*
Wilson, William Charles,	*North Dakota.*
Witkowski, Leo Joseph,	*Illinois.*
Zimmerman, Samuel Alvin, Ph.B., Hamline University.	*Minnesota.*

SPECIAL STUDENTS.

Aaker, Adolph Oscar,	*Iowa.*
Ackley, Guy Winfield, B.S., Fayette Normal University.	*Nebraska.*
Allen, Robert Aurand, A.B., Beloit College.	*Iowa.*
Ankenbrandt, Albert Andrew,	*Illinois.*
Baker, Melvin F., Ph.G., State University of Iowa.	*Iowa.*
Bardwell, Walter Stanley,	*Pennsylvania.*
Belden, D. C.,	*Illinois.*
Blome, Frederic Michael,	*Illinois.*
Brecht, Ernest Adolph, Ph.G., Northwestern University.	*South Dakota.*
Bromund, Emil Herrmann,	*Illinois.*
Brown, Fred Charles,	*Ohio.*
Brown, Rj. Newman,	*Michigan.*
Brown, W. D.,	*Illinois.*
Burtner, Rini Descartes, A.B., Lebanon Valley College.	*Illinois.*

Campana, Eugene George,	*Illinois.*
Cannon, William Patrick,	*Illinois.*
Childs, Wilfred Leonard,	*Illinois.*
Cohn, Emanuel,	*Illinois.*
Cohn, Harry,	*Illinois.*
Conner, William Henry, A.B., Northwestern University.	*Illinois.*
Cope, Paul Francis,	*Illinois.*
Crass, E. W.,	*Illinois.*
Deal, Don West,	*Illinois.*
Deane, F. H.,	*Illinois.*
De Bambeneck, J.,	*Illinois.*
Doane, Bert L., B.Sc., University of Nebraska.	*Nebraska.*
Doolittle, John Carlyle,	*Wisconsin.*
Dye, Willard B., A.B.. University of Minnesota.	*Minnesota.*
Earl, Edwin Charles,	*Indiana.*
Edgar, Thomas Oscar, B.S., Northwestern University.	*Illinois.*
Ellenbaum, Frank Henry, Ph.C., Northwestern University.	*Illinois.*
Engelbrectson, Ferdinand,	*Illinois.*
Evans, George Cortney,	*Montana.*
Flynn, Helen B.,	*Illinois.*
Froid, Clarence Mauritz,	*Nebraska.*
Frost, George,	*Illinois.*
Golden, Isaac John Kohn, M.D., Jefferson Medical College.	*Illinois.*
Gould, C. M., M.D.,	*Illinois.*
Guenthner, Erhard,	*South Dakota.*
Gulde, William Charles,	*Iowa.*
Hagenbuch, Clark H.,	*Illinois.*
Hammett, C. A.,	*Minnesota.*
Harner, R. C.,	*Illinois.*
Harner, W. M.,	*Illinois.*
Haugh, David Bertram,	*Illinois.*
Hayward, Martha,	*Illinois.*
Heffran, Edward Lancaster,	*Wisconsin.*
Heines, Chester A.,	*Illinois.*
Herrick A. D.,	*Illinois.*
Homan, Carl August,	*Illinois.*
Hulbert, Edwin Claire,	*Illinois.*
Isaacs, Charles Francis,	*Iowa.*
Jackson, Edgar S., B.S., Northwestern University.	*Illinois.*

Jelks, James Thomas, M.D., *Arkansas.*
Meharry Medical College.
Joyce, Thomas Mathias, *Wisconsin.*
Kappelman, J. A., *Illinois.*
Keltner, Joseph Edward, *California.*
Kerntopf, Robert C., Ph.G., *Illinois.*
Brooklyn College of Pharmacy.
Kowsky, J. F., *Illinois.*
Lapp, George Jay, *Illinois.*
Lewis, Paul, A., *Iowa.*
McCarthy, J. J., *Illinois.*
McCornell, James Elliott, *Illinois.*
Madison, G. A., *Illinois.*
Maisel, C. C., *Illinois.*
Maris, Bertram Gordon, *Illinois.*
Mason, James Howard, *Iowa.*
Matheson, Peter Davidson, *Michigan.*
Merrill, Heber Kimball, A.B., B.P., *Utah.*
Brigham Young College and University of Utah.
Merrill, Will Garrison, Ph.C., *Wisconsin.*
Northwestern University.
Miller, E., *Illinois.*
Miller, Floyd R., *Illinois.*
Miller, William H., *Illinois.*
Mitchell, Joseph Henry, *Louisiana.*
Moore, V., *Illinois.*
Morgan, Charles Doyle, *Illinois.*
Morse, C. L., *Illinois.*
Munro, John Donald, *Michigan.*
Murphy, John Campbell, *Iowa.*
Nauss, Ralph Welty, B.Sc., *Ohio.*
Norby, Charles Philip, M.S., *Texas.*
University of Texas.
Nusbaum, D.H., M.D., *Illinois.*
Omsberg, C. S., *Illinois.*
Parker, Gerald Campbell, *Illinois.*
Peterson, Charles Frederick, *Wisconsin.*
Peterson, Fred William, A. B., *Wisconsin.*
University of Wisconsin.
Rahling, Leo Henry, *Illinois.*
Reinhardt, Homer L., *Ohio.*
Reithard, William Y., *Illinois.*
Reynolds, T. F., *Illinois.*
Robinson, James Henry, *Illinois.*
Sanders, Frederick A., *Indiana.*
Schaefer, John Ferdinand, *Illinois.*

Shewbridge, Edward Benedict,	*Illinois.*
Shippey, Roderick Hoffman,	*Illinois.*
Sidley, John Streeter,	*Illinois.*
Snow, C. Goodrich,	*Illinois.*
Staples, Julius Kemper,	*Virginia.*
Stegmayer, Charles Gotlieb, Ph.G., University of Illinois.	*Illinois.*
Thomas, Harley Angus,	*Wisconsin.*
Tullar, Arthur,	*Illinois.*
Walsh, Thomas John,	*Indiana.*
Webster, C. J.,	*Illinois.*
Weems, Thomas Randle,	*Illinois.*
Wilkins, Louis G.,	*Illinois.*
Wittman, Anthony George,	*Illinois.*
Woof, J. T.,	*Illinois.*

THE LAW SCHOOL.

THIRD YEAR.

Adelman, Abram,	*Chicago.*
Banning, Walker,	*Oak Park, Ill.*
Barber, Clayton Jackson, Ph.B., Illinois College.	*Springfield, Ill.*
Bays, Alfred William, B.S., Knox College.	*Enfield, Ill.*
Batten, Ralph Ellsworth,	*Chicago.*
Bates, Alfred Richer,	*Evanston.*
Berry, J. Eustace,	*Chicago.*
Butler, Herbert Benjamin,	*Evanston.*
Brown, Thomas Baldwin,	*Chicago.*
Campbell, Herbert John, A.B., University of Michigan.	*Riverside, Ill.*
Cleveland, Paul Williams,	*Evanston.*
Crumpacker, Shepard, B.S., Northwestern University.	*Westville, Ind.*
Dillard, Jesse Richard, A.B., Livingston College	*Gibson, Ind. Ter.*
Eckert, Walter,	*Woodstock, Ill.*
Fisher, Henry Fred,	*Addison, Ill.*
Follett, Otto William,	*Libertyville, Ill.*
Gillam, Walter Lowrie A.B., A.M., Wooster University.	*Chicago.*
Grover, George Oliver,	*Leland, Ill.*
Hagens, Graddus Remley, A.B., Central College.	*Pella, Ia.*
Hart, Merwin Mitchael,	*Chicago.*
Jacobs, Walter Howard,	*Austin, Ill.*
Johnson, Alton Francis,	*Chicago.*
Jordan, Frederick Dolbier, A.B., Harvard University.	*Chicago.*
Kepler, Louis Howard, Ph.B., Cornell College.	*Mt. Vernon, Ia.*
Kohlsaat, Edward Christian, A.B., University of Chicago.	*Chicago.*
Krueger, Nathan,	*Chicago.*
Lang, Joseph Ignatius,	*Woodstock, Ill.*
Levy, Sylvanus George, Ph.B., University of Chicago.	*Chicago.*
Lindhout, Dingnus Kloppenburg,	*Chicago Heights, Ill.*
Manierre, Louis, A.B., Yale University.	*Chicago.*

McAuley, Henry Sayrs, *Chicago.*
A.B., Yale University.
Meek, Marcellus Molz, *Chicago.*
Miller, Anna Blanche, *Canton, Ill.*
B.S., A.B., Valparaiso College.
Randall, Frank Somerville, *Maroa, Ill.*
B.S., Valparaiso College; LL.B., Northern Indiana Law School.
Reynierson, Add Leslie, *Jamestown, Ind.*
A.B., Central Normal College.
Rhea, Everet, *Weiser, Idaho.*
Root, Vincent, *Galva, Ill.*
Rutter, Rhea Barton, *Highland Park, Ill.*
A.B., Williams College.
Sherlock, Carl Garfield, *Riverside, Ill.*
Simmons, E. Elliott, *Oak Park, Ill.*
Spencer, Charles Hopkinson, *Rock Island, Ill.*
A.B., Wesleyan College.
Trude, Daniel Pearson, *Chicago.*
Webb, Samuel Edwin, *Trenton, Ky.*
Wiles, Russell, *Chicago.*
S.B., University of Chicago.

SECOND YEAR.

Bell, Eugene Whitman, *Evanston.*
B.S., Northwestern University.
Best, John Henry, *Quincy, Ill.*
Boggs, Richard Lee, *Fairfield, Ill.*
Brink, Hal., *Chicago.*
Capron, Clyde, *Marion, Ill.*
A.B., University of Illinois.
Carleton, Charles Henry, *Chicago.*
Cashel, Thomas Daniel, *East St. Louis, Ill.*
Casebeer, Arthur Josiah, *Rocky Ford, Colo.*
Clarke, Robert Roland, *Chicago.*
Cline, Norris, *Appleton City, Mo.*
Coman, Warren Eugene, *Chicago.*
Combs, Ben., *Chester, Ia.*
Davis, Chas. Henry, *Greely, Ia.*
Dewes, Edwin Pierre, *Chicago.*
A.B., Harvard University.
Dobbin, David Cleveland, *Stronghurst, Ill.*
Dove, Theodore Clark, *Shellyville, Ill.*
Eggert, Alfred Robert, *Charles City, Ia.*
Fifer, Ernest Reynolds, *Chicago.*
B.S., Northern Indiana Normal College.
French, Howard Preston, *Sumner, Ill.*

Fulton, Louis Reginald, A.B., Knox College.	*Gibson City, Ill.*
Hamilton, Elisha Bentley, A.B., Illinois College.	*Quincy, Ill.*
Herman, Charles Jacob,	*Chicago.*
Hinman, Asahel Albert.	*Perry, Ill.*
Howser, Roy Ebrod,	*Indianola, Ia.*
Hughes, Arthur Freeman,	*Springfield, Ill.*
Johnson, Edgar Hare, A.B., Princeton University.	*South Bend, Ind.*
Keith, Royden James, A.B., Leland Stanford University.	*Chicago.*
Kersten, Walter George,	*Chicago.*
Kostner, Joseph Otto,	*Chicago.*
Lewis, Harry Chester,	*Mendota, Ill.*
Lighthall, Harry Schuyler,	*Chicago.*
Linker, Myer,	*Chicago.*
Lynde, Cornelius, A.B., Williams College.	*Chicago.*
Mackenzie, Rex., A.B., Princeton University.	*Chicago.*
Manning, Horace Milton,	*Chicago.*
McCarthy, Justin Gerald,	*Chicago.*
McKinney, Frederick Landin,	*Piqua, Ohio.*
Meusel, Oscar Moretz,	*Oshkosh, Wis.*
Mitchell, Charles,	*Broadhead, Wis.*
Murdock, Max.,	*Streator, Ill.*
Osborne, Harold Sayne, A.B., Williams College.	*Chicago.*
Ott, John Nash, A.B., Amherst College.	*Chicago.*
Parkin, Harry Alvin, A.B., Knox College.	*Chicago.*
Perrill, George Andrew, B.S., Kansas Wesleyan University.	*Bridgeport, Kan.*
Pirosh, George,	*Chicago.*
Pitte, Hugo Lewis Armour Institute.	*Chicago.*
Potter, Delos Demont,	*Lawton, Okla.*
Quitman, Walter,	*Chicago.*
Rich, Ernest Paul,	*Canton, Ohio.*
Robinson, Charles Henry,	*Chicago.*
Rosenblum, Harry Moses,	*Evanston.*
Ryden, Otto Gustaf,	*Evanston.*
Sadler, Monte Hananer,	*Cairo, Ill.*
Sargent, Jean Feni,	*Hurley, S. D.*
Scheiner, Frank Henry, Ph.B., Northwestern University.	*Chicago.*

Schmitt, Felix Harold, *Chicago.*
Seney, Edgar, *Chicago.*
Stowe, Herman Wilson, *Fort Dodge, Ia.*
B.S., Northwestern University.
Strickland, Amos Aaron, *Chicago.*
Talcott, Harry Harvey, *Chicago.*
A.B., University of Michigan.
Taylor, David, *Chicago.*
Ward, Charles Ambrose, *St. Joseph, Mich.*
Waltimire, George, *Deshler, Ohio.*
Wengierski, Julius Francis, *Chicago.*

FIRST YEAR.

Adams, Cyrus, Jr., *Chicago.*
A.B., Princeton University.
Aldrich, Charles Robert, *Evanston.*
A.B., Yale University.
Anderson, George Fridolf, *Chicago.*
Atherton, Leslie Campbell, *Goose Island, Ill.*
Barry, Arthur Joseph, *Chicago.*
Bell, Ben, *Cable, Ill.*
Boddy, Robert William, *Chicago.*
Brothers, William Vincent, *Chicago.*
Browning, Wayne, *Mt. Carrol, Ill.*
Buck, Karl Wilhelm, *Chicago.*
King William Gymnasium of Emden, Prussia.
Buggee, John Arthur, *Chicago.*
Campbell, Argyll Clarence, *San Jose, Cal.*
Candee, Robert, *Evanston.*
A.B., Princeton University.
Capron, Wm., Jr., *Marion, Ill.*
Chiles, Louis, *Chicago.*
Cohan, Benjamin Edward, *Chicago.*
Collins, Kenneth Prentice, *Chicago.*
Colton, Chauncey Corey, *Danvers, Mass.*
B.S., Dartmouth College.
Davis, Warren Marcus, *Oakland, Cal.*
Dickinson, Francis Reynolds, *Chicago.*
A.B., Harvard University.
Eddy, Morton Hoit, *Chicago.*
A.B., Williams College.
Engstrom, Ebenezer Washington, *Evanston.*
A.B., Northwestern University.
Finley, George Alvin, *Sugar Grove Co., Ill.*
Finerty, John, Jr., *Chicago.*
Flanders, Fred Chester, *Aurora, Ill.*

Gibson, John Miller,	*Emerson, Ia.*
Goldstein, Isaac Oscar,	*Chicago.*
Guenther, Attilia,	*Chicago.*
Gunsul, David Harvey,	*Aurora, Ill.*
Haight, William Harrison, B.L., University of Wisconsin.	*Cambridge, Wis.*
Howison, Hugh Alexander,	*Chicago.*
Kolb, Theodore Augustus, Jr.,	*Chicago.*
Mack, George Frank,	*Chicago.*
Marks, Julius Ludwig,	*Chicago.*
Martin, Harry Alvin,	*Chicago.*
Martin, Andrew Aloysius,	*Chicago.*
McCormick, Robert Rutherford, A.B., Yale University.	*Chicago.*
McDonald, Frank Andrew,	*Fargo, N. D.*
McNeil, Robert Lincoln, A.B., Illinois College.	*New Berlin, Ill.*
Milchrist, Frank Thomas,	*Chicago.*
Moore, Willis Samuel,	*Chicago.*
Morgan, George Belcher,	*Chicago.*
Nichols, Cleve McKinstrey,	*Chicago.*
Nixon, William Penn, Jr., A.B., Yale University.	*Chicago.*
Nordhold, Robert,	*Chicago.*
Prohaska, Otokar Ludwig, A.B., Northwestern University.	*Chicago.*
Porter, George French, A.B., Yale University.	*Chicago.*
Rea, Fred Homer,	*Chicago.*
Romans, John Brown,	*Denison, Ia.*
Romans, Harold Albon,	*Denison, Ia.*
Rundall, Charles Owen,	*Chicago.*
Sherman, Cleo Lorentine,	*Chicago.*
Shirley, Arthur Ashton,	*Bishop, Cal.*
Smoot, Harry Edward. A.B., Northwestern University.	*Petersburg, Ill.*
Smietanka, Alexander Michael,	*Chicago.*
Steinbrecher, Paul,	*Chicago.*
Stiness, Henry William,	*Providence, R. I.*
Straus, Ira E.,	*Chicago.*
Towne, John Dean,	*Evanston.*
Vlachos, Andrew John, LL.B., University of Greece.	*Thipolis, Greece.*
Warner, George Raymond,	*Somonank, Ill.*
Webber, Herbert Edward,	*Fergus Falls, Minn.*
Whitcomb, Charles Henry,	*Albion, Mich.*

Wilson, George Robert, *Chicago.*
A.B., Olivet College.
Wilcox, Jesse Franklin, *Chicago.*
Winnen, Victor Charles, *Chicago.*
Wright, Walter Hamilton, *Perrysburg, Ind.*
Yates, Robert Mortimer, *Ramsey, Ill.*
Young, Frank Davis, *Denison, Ia.*

SPECIAL.

Burke, Webster, *Chicago.*
A.B., Northwestern University.
Burnham, John, *Evanston.*
Clark, John Woodbury, *Paw Paw, Ill.*
Crafts, Harry, *Chicago.*
A.B., University of Michigan; LL.B., Northwestern University.
Deering, Thomas Gardner, *Chicago.*
LL.B., Northwestern University.
Dow, Gesler, *Boyne City, Mich.*
Dunbar, David, *Chicago.*
B.S., Cornell College; A.B., Columbia University.
Duret, Ramon Lanz, *Campeche, Mexico.*
LL.B., National Law School of Mexico City.
Duret, Miguel Lanz, *Campeche, Mexico.*
LL.B., National City Law School of Mexico City.
Ferrell, Hosea Vise, *Carterville, Ill.*
Files, Norton, *Chicago.*
Fleming, Earle Hampton, *Chicago.*
Forbes, Charles Jerome, Jr., *Chicago.*
Ph.B., Western Reserve University; LL.B., Harvard University.
Gray, Gordon Larimore, *Chicago.*
A.B., LL.B., Harvard University.
Heilbrun, Elias, *Chicago.*
LL.B., Chicago-Kent College of Law.
Henninger, John Paul, *Chicago.*
Hicks, Alden Rhodes, *Chicago.*
Jackson, Henry, *Chicago.*
LL.B., Chicago-Kent College of Law.
Kahn, Julius Maurice, *Chicago.*
B.A., LL.B., Northwestern University.
Keating, James, *Chicago.*
LL.B., Northwestern University.
Kidder, Royce Annan, *Evanston.*
Knapp, William Proctor, *Chicago.*
Ph.B., Iowa College; LL.B., Northwestern University.
Knowlton, Clarence, *Chicago.*
LL.B., Northwestern University.
Kompel, Morris, *Chicago.*
B.L., Northwestern University.

Kropf, Victor Gustav, *Chicago.*
A.B., Washburn University.

La Buy, Joseph, *Chicago.*

Manning, Ralph Curtis, *Chicago.*
A.B., J.D., University of Chicago.

Mills, Mathew, *Chicago.*
A.B., Yale University; LL.B., Northwestern University.

McKinney, Marion Hayes, *Chicago.*
LL.B., Northwestern University.

Niles, John, *Chicago.*
LL.B., Northwestern University.

Oakley, Frank, *Huntley, Ill.*

Odell, Benjamin, *Chicago.*
LL.B., Northwestern University.

Peckham, John, *Chicago.*
A.B., Harvard University; LL.B., Northwestern University.

Pfirshing, George, *Chicago.*
Ph.B., University of Chicago.

Phillips, James Marsten, *Callittsville, N. C.*

Pincus, Samuel, *Chicago.*

Quinn, Leonard Daniel, *Kewanee, Ill.*

Rogers, Rowland Thumm, *Chicago.*
Ph.B., J.D., University of Chicago.

Schlisenger, Elmer, *Chicago.*

Shoenbrun, Leo, *Chicago.*
A.B., University of Chicago.

Smith, Claude Frederic, *Chicago.*

Stuttle, Harry, *Litchfield, Ill.*

Szimkus, Stefon, *Chicago.*

Todd, Leroy Levi, *Milledgeville, Ill.*

Van Voorst, Fred., *Monticello, Ind.*
LL.B., Northwestern University.

Wilson, John, *Chicago.*
A.B., Williams College; LL.B., Harvard University.

THE SCHOOL OF PHARMACY.

Students who are in the first year's work are designated by the number 1; those in the second year's work by 2; and those in the special work of the course for the degree of Pharmaceutical Chemist by 3.

Alt, Leo Nicholas,	2	*Chicago.*
Ambrose, Stephen Joseph,	1	*Chicago.*
Anderson, Charlie John	2	*Valley City, N. D.*
Andrews, James Porter,	3	*Garrett, Ind.*
Arduser, George,	1	*Monticello, Ia.*
Ayres, Otto Ellwood,	1	*Ottumwa, Ia.*
Bailey, Everett Webster,	1	*Chamberlain, S. D.*
Baisch, John Frederick,	1	*Madison, Neb.*
Bates, Roy Edward,	2	*Grinnell, Ia.*
Beans, Thomas Allen,	1	*Crawford, Neb.*
Benedict, Vincent,	2	*Grand Rapids, Mich.*
Berend, John Wallace,	1	*Waterloo, Ia.*
Bettine, Julius Alfred,	1	*Charles City, Ia.*
Blake, Charles William,	1	*Ogden, Utah.*
Blount, Percy Thomas,	1	*Ottumwa, Ia.*
Bongart, Walter Michael,	1	*Champaign, Ill.*
Bonicel, Henry Victor,	3	*Buenos Ayres, Argentine.*
Brean, Walter T.,	1	*North Chicago.*
Brooke, Harry Sargent,	2	*Newark, N. J.*
Burkett, Guy Fred,	1	*Hawarden, Ia.*
Burt, Hugh Valentine,	2	*Chicago.*
Burton, Oscar,	2	*Falmouth, Ill.*
Carroll, Edward,	1	*Flanagan, Ill.*
Carty, Clarence Henry,	1	*Park City, Utah.*
Cavanaugh, Arthur Lawrence,	1	*Kewanee, Ill.*
Chapman, Benjamin Craven,	1	*Mattoon, Ill.*
Chilcote, Roy Waters,	1	*Rosendale, Wis.*
Cissell, Orville B.,	2	*Toulon, Ill.*
Clark, Jay G.,	2	*Mineola, Texas.*
Claussen, Rudolph Henry,	1	*Manning, Ia.*
Claybaugh, Henry Lloyd,	2	*Wayne, Neb.*
Claypool, William Edward,	1	*Peoria, Ill.*
Clothier, Charles Roland,	3	*Polo, Ill.*

Cohn, Edward A.,	1	*Chicago.*
Cooper, Howell Gazaway,	2	*Lindale, Texas.*
Cooper, Harry Talbot,	2	*Robinson, Ill.*
Cowan, John G.,	2	*Milford, Ill.*
Crosby, Ralph Carlos,	1	*Aledo, Ill.*
Crowe, Thomas F.,	1	*Chicago.*
Cunningham, James Lloyd,	1	*Warren, Ohio.*
Davies, John Edward,	2	*Spring Green, Wis.*
Dayton, George B.,	1	*Clinton, Ia.*
Dedman, Thomas Curry,	1	*Harrodsburg, Ky.*
DeVine, Owen Crippen,	3	*Marietta, Ohio.*
Dougherty, Jetta Byrne,	1	*Newcastle, Neb.*
Dubsky, Frank,	2	*Chicago.*
Duncan, Howard William,	2	*DeKalb, Ill.*
Duncan, Jennie Margaret,	1	*Ottawa, Ill.*
Eberhardt, Henry Louis, Jr.,	1	*Chicago.*
Elder, James Walter,	1	*Sweetwater, Texas.*
Elliott, Delmar Clifford,	2	*Wilmington, Ill.*
Emerson, Charles Abbott,	2	*McKinney, Texas.*
Ennis, Lee Ebuck,	1	*Oelwein, Ia.*
Erickson, Hjalmar Emil,	3	*Chicago.*
Evernden, William Blaine,	1	*Hinsdale, Ill.*
Farrar, Henry T.,	1	*Chicago.*
Farrar, Samuel McFarland,	3	*Austin Station, Chicago.*
Farrington, Grover,	1	*Mondovi, Wis.*
Ferrell, Oran Luther,	1	*Gilmer, Texas.*
Feuerbacher, Albert John Fred,	1	*Lincoln, Ill.*
Fleischer, Andrew William,	2	*Ossian, Ia.*
Flemming, Edward William,	2	*Laramie, Wyo.*
Fox, Maurice,	1	*Chicago.*
Fredrickson, Walter Ennis,	3	*Ottumwa, Ia.*
Freeman, Lewis Claude,	1	*Chicago.*
Fritts, Roy Clifton,	1	*Metropolis, Ill.*
Frutiger, Jacob, Jr.,	2	*Olney, Ill.*
Gibson, Harry Wentworth,	1	*Evanston.*
Gilbert, Menzis Eli,	1	*Mt. Vernon, Ill.*
Girton, Lee Richmond,	3	*Madison, S. D.*
Glenn, Thomas Michael,	1	*Chicago.*
Good, Leonard Franklin,	3	*Salem, S. D.*
Gordon, Max Martin,	1	*Chicago.*
Green, Carl Victor, Ph.G.,	3	*Chicago.*
Greenwell, Elmer LeRoy,	2	*Farmington, Ill.*
Gregg, Arthur William,	2	*Bloomington, Ill.*

Grinnolds, Emma Maude,	2	*Mauston, Wis.*
Gunning, Charlie Albert,	1	*Longmont, Colo.*
Guthrie, William James,	1	*Tacoma, Wash.*
Hallahan, Arthur Thomas,	1	*Baraboo, Wis.*
Hallam, Percy Charles,	2	*Shabbona.*
Hallett, Charles,	1	*Greeley, Colo.*
Hallock, Frank William,	2	*Paw Paw.*
Hammett, Charles Alfred,	3	*Portchester, N. Y.*
Harlan, Lawrence Leon,	1	*Hawarden, Ia.*
Harrison, William Henry,	2	*Danville.*
Hartig, Albert Julius,	2	*Dubuque, Ia.*
Hassett, Frank Martin,	1	*Clinton, Ia.*
Heaton, Ruby Franklin,	1	*Circleville, Ind.*
Hendrickson, Berent,	2	*Portland, N. D.*
Hennings, Raleigh Myrtus,	2	*Albert Lea, Minn.*
Hershey, Guy Floyd,	1	*Taylorville.*
Hieber, William Andrew Nicholas,	2	*Chicago.*
Higgins, Joseph C.,	1	*Madison, Wis.*
Holke, William Henry,	2	*Freeport.*
Holliday, William Warren,	2	*Wentworth, S. D.*
Horton, Ira Maillor,	1	*Aurelia, Ia.*
Hoyt, Sidney M.,	1	*Springfield, Neb.*
Huntley, Roy,	1	*Sharon, Wis.*
Hydinger, Henry,	2	*Hamburg, Ia.*
Jaderstrom, Louis William,	1	*Kewanee.*
Jeffers, Christine,	3	*Bellevue, Ia.*
Jericho, Ernest,	1	*Mt. Pleasant, Ia.*
Joder, Earl Bickley,	2	*Waterloo, Ia.*
Johnson, Ever,	1	*Menominee, Wis.*
Johnson, Ewing M.,	1	*Stonefort.*
Johnson, John Carl,	2	*Red Wing, Minn.*
Johnson, Leonard Alfred,	3	*Bowling Green, Ky.*
Johnston, Bernard E.,	1	*Chicago.*
Jones, Harper Patterson,	1	*Marshall, Texas.*
Kaczkowski, Joseph,	1	*Chicago.*
Kassell, Albert Charles,	1	*Jacksonville.*
Kay, Carl Cecil,	2	*Big Sandy, Texas.*
Keesecker, Frank Charles,	2	*Dubuque, Ia.*
Keller, George Theodore,	2	*Orangeburg, S. C.*
Kelly, Marcell Geneva,	2	*Dixon.*
Kempf, Fred F.,	1	*Monticello, Ia.*
Kennedy, John Eugene,	2	*Chicago.*
Kiefer, Frank Rudolph,	1	*Quincy.*
Kierland, Lewis Richard,	2	*Rushford, Minn.*

Kirk, Anna,	2	*Athena, Ore.*
Klein, John,	1	*Hoopeston.*
Kohn, Arthur Frederick,	3	*Chicago.*
Kolar, Gustav Stanley,	3	*Chicago.*
Klinck, Clifford LeMoyne,	2	*Bristow, Ia.*
Kovarik, Victor Godfried,	3	*Chicago.*
Kozlowski, Benjamin Roman,	2	*Chicago.*
Kuehn, William,	2	*Chicago.*
Lambert, Charles Merrill,	1	*Hampton, Ia.*
Lee, Arne E.,	1	*Canton, S. D.*
Leischner, Eric P.,	1	*Wicker Park.*
Lewis, Arthur H.,	1	*Canton, S. D.*
Lewis, Martin,	2	*Chicago.*
Lewis, Napoleon M.,	1	*Canton, S. D.*
Locke, Wayne F.,	1	*Clinton, Ia.*
Lonergan, Thomas J.,	1	*Waterloo, Ia.*
Long, Charles I.,	1	*Cedar Falls, Ia.*
Lyons, George Washington,	1	*Sullivan, Ind.*
Lyons, John Drayton,	1	*Chicago.*
Maag, Emil Rudolph Felix,	1	*Pana.*
Macomber, Arthur Gilbert,	2	*Cascade, Ia.*
Magoun, Walter Calvin,	2	*Somerville, Mass.*
Margadant, William,	2	*Waterloo, Ia.*
Mauro, Edmund,	1	*Chicago.*
Mayer, John Arthur,	2	*Freeport.*
McClarren, William Milton,	1	*Washington, D. C.*
McColl, Edward Roy,	2	*Gresham, Ore.*
McCullen, George A.,	1	*Highmore, S. D.*
McHugh, Grover,	1	*El Paso.*
McLean, John Murdick,	1	*Caldwell, Texas.*
Megaw, Herschel Clarence,	3	*Owaneco.*
Menzies, Carl Edward,	1	*Virginia.*
Merriman, Frederick Stoughton,	3	*Moline.*
Merz, Lee Nichols,	2	*Chicago.*
Metzger, Harry Clyde,	2	*Cairo.*
Metzger, Royal Jacob,	2	*Shellrock, Ia.*
Meyer, Bertram M.,	1	*Tecumseh, Mich.*
Michael, Edward,	3	*Chicago.*
Miller, James Emerson,	2	*Atlantic, Ia.*
Miller, Oliver Jeremiah,	3	*Rockbridge.*
Milne, Frank Alexander,	2	*Du Quoin.*
Milne, George Edmund,	2	*Morrison.*
Moffitt, William R.,	1	*Chillicothe.*
Mooney, John Hammel,	1	*Clinton, Ia.*

Moore, William A.,	2	*Danville.*
Moore, Claude W.,	2	*Chicago.*
Morgan, Foster Clair,	1	*Leon, Ia.*
Morgan, Harmon Kiefer,	1	*Clinton, Ind.*
Morris, Sampson,	2	*Chicago.*
Moyer, J. Walter,	2	*Crawford, Neb.*
Mulvey, Leo Irvine,	1	*Denver, Colo.*
Musselman, Claude John,	1	*Danvers.*
Neeley, John Wooford,	3	*Chicago.*
Neill, Frederick Winthrop,	2	*Chandlerville.*
Nolan, John Peter,	2	*Chicago.*
Nolan, Thomas James,	1	*Spring Valley.*
Nowlin, Henry Briant,	2	*Grand Saline, Texas.*
O'Connor, Mary,	2	*Lansing, Mich.*
O'Malley, William,	1	*Melrose Park.*
Pace, Grover,	1	*Mondovi, Wis.*
Palmer, Charles Earl,	1	*Morrison.*
Parker, Ralph E.,	1	*Sioux City, Ia.*
Patterson, John Glover,	1	*Springfield.*
Patton, Frederick Wills,	2	*Waupun, Wis.*
Pavlik, Anton Andrew,	1	*Chicago.*
Pendergrast, John Brittan,	2	*Hogansville, Ga.*
Pepin, Louis Arthur,	2	*Grand Rapids, Wis.*
Phalen, Charles Stephen,	1	*Harvard.*
Post, Theodore John,	1	*Chicago.*
Potter, Dell Legare,	1	*Neillsville, Wis.*
Potter, Maynard H.,	3	*Piggott, Ark.*
Powell, Robert William,	1	*Dubuque, Ia.*
Praiss, Carl Franklin,	1	*Faribault, Minn.*
Prickett, Charles Caleb,	2	*Lewistown.*
Pringle, Madge Isabelle,	2	*Marengo.*
Puhl, Adolph Albert,	1	*Menominee, Wis.*
Purcell, Michael Joseph,	1	*Madison, Wis.*
Pyles, John Lindsay,	1	*Fort Worth, Texas.*
Read, Wade Hampton,	1	*York, Neb.*
Reay, John Garfield,	1	*Wilmington.*
Redmond, James W.,	1	*Chippewa Falls, Wis.*
Reisl, Edwin G.,	1	*Racine, Wis.*
Riester, Clarence Edward,	1	*Chippewa Falls, Wis.*
Riggs, Arlie B.,	2	*Mannington, W. Va.*
Rinde, Samuel Nelson,	3	*Grafton, N. D.*
Rink, Arthur Francis,	2	*Geneseo.*
Ritter, Frank,	2	*Mattoon.*
Roberts, Arthur J.,	1	*Wayne, Neb.*

Robin, Samuel,	1	*Chicago.*
Roland, Ingwald Bernhardt,	2	*Menominee, Wis.*
Ross, J. Leonard,	2	*Clinton, Ia.*
Rugg, Roger Frank,	1	*Waterloo, Ia.*
Ryerson, Peter Emerson,	1	*Broken Bow, Neb.*
Saccar, Michael,	2	*Tripoli, Syria.*
Scharringhausen, George Larkey,	1	*Des Plaines.*
Schenk, Albert Leopold,	1	*Chicago.*
Schillinger, Carl August,	2	*Chicago.*
Schmidt, William Adolph,	1	*Madison, S. D.*
Scott, Marc William,	2	*Chamberlain, S. D.*
Senft, Frank,	1	*Chicago.*
Sharpe, Howard Addison,	3	*Sussex, Wis.*
Sheeran, Frank Clement,	2	*Faribault, Minn.*
Shennum, Arthur Clarence,	2	*Chicago.*
Sime, Hyman,	2	*Chicago.*
Smith, Eugene Lyman,	1	*Chicago.*
Smith, Eva Mary,	3	*Savanna.*
Spaetgens, Henry Charles,	2	*Chicago.*
Spear, Benjamin,	3	*Chicago.*
Spear, Edward,	2	*Chicago.*
Speetzen, Gustav,	2	*Davenport, Ia.*
Sprinkel, William Albert,	1	*Springfield.*
Squire, Mary E.,	1	*Chicago.*
Stach, Charles Albert,	1	*Chicago.*
Stacy, Edward Everett,	3	*Tuscola.*
Starrett, Roy Samuel,	2	*Manito.*
Stebbins, Arthur Percy,	2	*Barron, Wis.*
Stepps, Victor Albert,	1	*Chicago.*
Stickrod, Henry Elmer,	1	*Danville.*
Stone, James Alexander,	1	*Monett, Mo.*
Stowe, Edward E.,	1	*Chicago.*
Sublett, Harold Watson,	2	*Bowling Green, Ky.*
Suddoth, Marion Aristides,	3	*Friars Point, Miss.*
Swartz, Alpha,	1	*Iowa Falls, Ia.*
Tannus, Shukri Faris,	2	*Damascus, Syria.*
Taylor, James B.,	1	*Chicago.*
Techentin, Henry John,	1	*Chicago.*
Thiedohr, Walter,	2	*Streator.*
Thompson, George Hayward,	2	*Spring Valley.*
Thompson, Walter Herman,	1	*Decorah, Ia.*
Thorp, Henry Lybrook,	1	*Chicago.*
Tompkins, Samuel Hensley,	2	*New Berlin.*
Toynton, James	1	*Geneva Junction, Wis.*

Turner, Jesse Blaine,	2	*Santa Ana, Cal.*
Van de Bogart, Bert Ralph,	1	*Lake Geneva, Wis.*
Van Vlack, Lewis Edward,	1	*Chicago.*
Virchow, John Emil, Jr.,	1	*Aurora.*
Vlcek, Charles,	2	*Chicago.*
Wagner, Arthur Theodore,	1	*Dundee.*
Wallbaum, Carl Gerhard,	1	*Yankton, S. D.*
Walz, Charles Arthur,	1	*Hartington, Neb.*
Wangler, Anton Lotharins,	2	*Waterloo, Ia.*
Warrington, Willie Brace Girdle,	1	*Pender, Neb.*
Waterloo, Joseph Peters,	1	*Chicago.*
Watkins, LeRoy Anthony,	2	*Chicago.*
Weinberger, Albert Walter,	1	*Chicago.*
Weir, Frederick F.,	1	*Malakoff, Texas.*
Weisenberger, Virgil DeLargay,	1	*Defiance, Ohio.*
Wellbrock, William,	2	*Peoria.*
Wetzel, William,	2	*Waukegan.*
Wheeler, Clifton Damon,	3	*Belvidere.*
White, John Calhoun, Jr.,	1	*Hazelhurst, Miss.*
Wilson, Charles Frazee,	1	*Rushville, Ind.*
Wilson, Clarence Robert,	2	*Normal.*
Winner, Oliver F.,	1	*Sumner, Ia.*
Wipperman, Otto DeLoie,	1	*Grand Rapids, Wis.*
Wise, Richard K.,	1	*Chicago.*
Witter, Clarence Porter,	1	*Capron.*
Woelke, John Henry,	2	*Los Angeles, Cal.*
Wray, Frank Pierce,	2	*Pella, Ia.*
Wright, Donald Frasier,	1	*Tecumseh, Mich.*
Wylie, Tracy John,	2	*Tampico.*
Young, Daniel Weber,	2	*Camden, Ark.*
Zelezny, Anna Mae,	1	*Chicago.*

THE DENTAL SCHOOL.

SENIOR CLASS.

Abbott, Florence Ethel,	*Michigan.*
Abernathy, Thomas DeWitt,	*Iowa.*
Bachmann, Albert John Andrew,	*Illinois.*
Barrett, John Frederick,	*Iowa.*
Bartsch, Frederick George,	*Illinois.*
Bay, George Phillip, Jr.,	*Illinois.*
Bean, Mace,	*Florida.*
Beart, Leslie Fosbrook Charles,	*Illinois.*
Beckett, John Marcus,	*Oklahoma.*
Best, Walter Thomas,	*Illinois.*
Blair, Frederick Martin, D.M.D.,	*Nebraska.*
Bohrer, John David,	*Missouri.*
Bowers, Charles Kingsley,	*Iowa.*
Boysen, Harry Alvin,	*Iowa.*
Branstad, Henry Oswald,	*Wisconsin.*
Bronson, Almon Edson,	*Iowa.*
Brosnihan, Fred Hugh,	*Illinois.*
Burgson, Clarence Edward,	*Minnesota.*
Burke, Gordon Leigh,	*Kentucky.*
Cannon, Joseph George,	*Pennsylvania.*
Carlile, Walter W.,	*Minnesota.*
Carlton, Robert Emmett,	*Illinois.*
Carter, Roy Millard,	*Wisconsin.*
Cecka, Joseph B.,	*North Dakota.*
Chandler, Edward TenEyck,	*Illinois.*
Chapline, William Edward,	*Illinois.*
Clark, Henry Bannister,	*South Dakota.*
Clark, Irving Alfred,	*Michigan.*
Coffman, Ansel Victor,	*Illinois.*
Creeden, Timothy J.,	*Wisconsin.*
Cunningham, Clarence Elmore,	*Wisconsin.*
Currier, Guy Raymond,	*Minnesota.*
Davis, Guilford Banning,	*Oklahoma.*
Dearborn, Helen Towle,	*Iowa.*
Denning, Roy Joseph,	*Michigan.*
Devlin, William,	*North Dakota.*
Dillon, Harry D.,	*Kansas.*

DuBois, Leon LeRoy,	*Iowa.*
Dunlop, Harry Parker,	*Missouri.*
Enerson, Charles Milton,	*Illinois.*
Fallis, Robert Wilson,	*Canada.*
Fansett, Oren Frederick,	*North Dakota.*
Fitzgerald, Emerson Godfred,	*Iowa.*
Ford, John Alexander McLean,	*Canada.*
Galbreath, Merritt Eugene,	*Michigan.*
Gale, Frank Willis,	*Illinois.*
Gale, Melvin Edwin,	*Nebraska.*
Gaus, Julius John,	*Illinois.*
Goggin, John William,	*Wisconsin.*
Gouse, Marcus Wesley,	*Illinois.*
Gray, William Joseph,	*Illinois.*
Grayston, Hayden Boston,	*Illinois.*
Greenwood, Alexander Samuel,	*Illinois.*
Grinde, Seward Clarence,	*Wisconsin.*
Grove, George Carlton,	*Illinois.*
Guest, Henry Quincy,	*Illinois.*
Hagerup, Myron Francis,	*Wisconsin.*
Hamilton, Baker Aaron,	*Canada.*
Harpole, Homer Jackson,	*Mississippi.*
Harris, Bert Alfred,	*Illinois.*
Harris, Madison Curtis, A.B.,	*Oregon.*
Harrison, William Leonard,	*Alaska.*
Harsch, Benjamin Theodore,	*Illinois.*
Haviland, Holmes Weston,	*Kansas.*
Heck, Eli George,	*Illinois.*
Heidel, Franklin Edward,	*Minnesota.*
Hesse Lewis John,	*Iowa.*
Hill, Thomas Bruce,	*Canada.*
Hines, Frederick Worth,	*Iowa.*
Hoag, Arthur Edwin,	*Wisconsin.*
Hogan, William Edward,	*Illinois.*
Hooey, Leslie Ernest Arthur,	*Canada.*
Hopper, Archie Bertel,	*Nebrasko*
Horn, Clarence M.,	*Illinois.*
Hospers, John Henry, A.B.,	*Iowa.*
House, Edwin Benson,	*Canada.*
Huff, Ralph Thomas,	*Illinois.*
Humphrey, John Holman,	*Illinois.*
Hurd, Hugh Chester,	*Michigan.*
Johnson, Harry Milton,	*Illinois.*
Jones, Roger Theodore,	*Wisconsin.*

Juul, Axel Joab,	*Minnesota.*
Keith, Cassius Clay,	*Nebraska.*
Keith, Clyde J.,	*Nebraska.*
Kelly, John Joseph,	*Illinois.*
Kremer, Lewis Gilfillen,	*Nebraska.*
Laign, Edward Arthur,	*Illinois.*
Lamm, Philip Forsyth,	*Missouri.*
Laughlin, James Rowland,	*Indiana.*
Leakey, Eustace Porret,	*England.*
Leavitt, Mae Burton, Mrs.,	*Illinois.*
Levis, Raymond,	*Illinois.*
Lietzmann, Charles Herman,	*Illinois.*
Long, James Burgess,	*Mississippi.*
Loofboro, Erlow Bliss,	*Iowa.*
Loomis, Edgerton Fay,	*Iowa.*
Love, Dorance Timothy,	*Iowa.*
Low, Roy James,	*Illinois.*
Lux, Walter Garfield, B.S.,	*Kansas.*
McClenahan, Frank Clifton,	*Illinois.*
McCowen, Eugene Percival,	*Illinois.*
McCumber, Clyde Isaiah,	*Illinois.*
McIntyre, James McAdam,	*Canada.*
McQuillen, Edward,	*Iowa.*
Macdonald, Norman Arthur,	*Illinois.*
Madison, George Addison,	*Minnesota.*
Mailer, Harry Orlady,	*Minnesota.*
Malcolm, John Lyle,	*Canada.*
Marr, Glenn DeMotte,	*Indiana.*
Mathews, John Lewis,	*Wisconsin.*
Miller, George Roscoe,	*Iowa.*
Miller, Jennie Louise,	*Kansas.*
Miller, Orlen Jacob,	*Wisconsin.*
Mittan, Wesley Clarence,	*Washington.*
Mohan, Joseph Conness,	*Iowa.*
Moreau, Joseph Henry,	*Wisconsin.*
Murray, Benjamin Alder,	*Canada.*
Murray, John Bertram,	*Iowa.*
O'Connoll, John Joseph,	*Illinois.*
Olsen, Frederick Andrew Haaken,	*Illinois.*
Ostrander, Bunyan W.,	*Michigan.*
Patton, Ernest Williams,	*Alabama.*
Perry, Charles Elfred,	*Wisconsin.*
Peterson, Walter Emil,	*Minnesota.*

Pierce, James Samuel,	*Nebraska.*
Pottle, Lovejoy,	*Illinois.*
Printz, Merle Mayo,	*Illinois*
Rand, Thomas Henry,	*Minnesota.*
Rasmussen, Alfred Theodore,	*Wisconsin.*
Richardson, Robert George,	*North Dakota.*
Rimmer, Walter Harcourt,	*Illinois.*
Robinson, William Joseph,	*Iowa.*
Rossteuscher, Edwin Ralph,	*South Dakota.*
Runner, Charles Frederick,	*Illinois.*
Salisbury, Fred Salisbury,	*Iowa.*
Sauer, Raymond Julius,	*Iowa.*
Saunders, Howard Bond, B.S.,	*Wisconsin.*
Schofield, Herbert Shaw,	*Illinois.*
Scholler, Daniel,	*Indiana.*
Schröder, Margaretha Maria,	*Germany.*
Schroeder, Oscar Robert,	*Wisconsin.*
Schuler, Arthur Edward,	*Indiana.*
Schwartz, Bernhardt Frederick,	*Iowa.*
Shirk, Benjamin Bairc,	*Iowa.*
Shumway, Herbert Garfield,	*Iowa.*
Simms, John Dorris,	*Tennessee.*
Slick, Albert Benjamin, B.S.,	*Illinois.*
Sluss, Frank LeRoy,	*Illinois.*
Smith, Edgar Wilson,	*Kansas.*
Smith, James Perrie,	*Indiana.*
Stalland, Martin Christian,	*Minnesota.*
Swartout, Benjamin,	*Minnesota.*
Teskey, Edward Luke,	*Michigan.*
Thompson, George Patterson,	*Canada.*
Thorpe, James William,	*Illinois.*
Thorson, William Julius,	*Nebraska.*
Tilden, Morton Cranage,	*Illinois.*
Timmins, Eldredge Dufferin,	*North Dakota.*
Tracy, Francis Walter,	*North Dakota.*
Trerise, Walter Elbert,	*Montana.*
True, Harry Albert,	*Iowa.*
Van Deusen, Harry Morehouse,	*Illinois.*
Van Sant, Ralph Newton,	*Illinois.*
Van Tuyl, Harry Isaac, B.S., M.D.,	*Illinois.*
Walker, Willie C.,	*Illinois.*
Watson, Meredith,	*South Dakota.*
Werner, Frederick Harold,	*Indiana.*

Wetterer, Frederick Jacob,	*Illinois.*
Whorton, William F. Roscoe,	*South Dakota.*
Wiese, Charles Arthur,	*Iowa.*
Williams, Evart Velie,	*Minnesota.*
Williams, Hugh Richard,	*Wisconsin.*
Wilson, William Knox,	*Michigan.*
Wise, Harry A.,	*Michigan.*
Wiswall, Willard Jason,	*Illinois.*
Wood, Bertram Guy,	*Illinois.*
Wood, John Adam,	*North Dakota.*
Woodward, Oscar Hale,	*Illinois.*

JUNIOR CLASS.

Adamson, John August,	*Minnesota.*
Amiot, George Beloni,	*Massachusetts.*
Bachman, Clifton H.,	*Michigan.*
Bade, Alvin Arthur,	*Wisconsin.*
Baikie, Ellis Jay,	*Illinois.*
Beardslee, J. Willis,	*Illinois.*
Bible, Walter Lee,	*Wisconsin.*
Blass, Edwin John,	*Wisconsin.*
Blome, Albert Herman Adam,	*Illinois.*
Bloomensteil, Mose Frank,	*Louisiana.*
Bowe, John Hamilton,	*Illinois.*
Bower, L. Roy,	*Nebraska.*
Boyington, Charles Barker,	*Illinois.*
Bristow, Roscoe,	*Illinois.*
Bronson, Jesse Lyman,	*Iowa.*
Bronstein, Benjamin Joseph,	*Wisconsin.*
Brown, Hilles Talley,	*Illinois.*
Brown, Leonard Granville,	*Ohio.*
Brown, Thomas Wilson,	*Illinois.*
Bullock, Jay Sullivan,	*Iowa.*
Burns, Frank Donald,	*Iowa.*
Carrington, Walter Rainey,	*Texas.*
Cassill, Owen Elmer,	*Ohio.*
Chadwick, Claude Cecil,	*Canada.*
Chimberg, Harry Sigfrid,	*Minnesota.*
Clary, John Robert,	*Illinois.*
Clendenen, Robert R.,	*Illinois.*
Colby, Winfield Horace,	*Michigan.*
Collins, Joseph Hickman,	*Illinois.*

Conklin, Bishop Albert,	*Illinois.*
Corey, Alice,	*Kansas.*
Crawford, William Nathan,	*Washington.*
Crose, Alphonso Charles,	*Iowa.*
Crouse, Roy Morton,	*Iowa.*
Crume, Everett Lodowich,	*Michigan.*
Curran, John James,	*Iowa.*
Cuykendall, Charles Elias,	*Iowa.*
Danek, David Hill,	*Illinois.*
Dietz, Oscar,	*Wisconsin.*
Diffenbacher, Ernest John,	*Illinois.*
Dillingham, Roy Vance,	*Michigan.*
Dixon, Mabel M.,	*Nebraska.*
Donovan, John Joseph,	*South Dakota.*
Downey, Joseph Murray,	*Illinois.*
DuChane, Warren Newton,	*Iowa.*
Dunkle, Chester Silas,	*Iowa.*
Dyblie, John Helmer,	*Illinois.*
Ellis, Carson Elwood,	*Washington.*
Eveleth, John McDonald,	*Iowa.*
Fay, Herbert Macon,	*Illinois.*
Fellman, Albert Frederick,	*Illinois.*
Fox, Thomas Wesley,	*Missouri.*
Fox, Willard Harry,	*Illinois.*
Fritz, Fred S.,	*Michigan.*
Fulton, Frederick Franklin,	*Illinois.*
Gatons, John Joseph,	*Illinois.*
Gibson, William Warren,	*Michigan.*
Giles, Percy Osbourne,	*Illinois.*
Gilmore, Thomas Edward,	*Canada.*
Gowdy, H. LeRoy,	*Iowa.*
Grant, James Clinton,	*Illinois.*
Grove, Francis Wendell, B.S.,	*South Dakota.*
Gurley, Frederick George,	*New York.*
Hall, Rupert Estell,	*Texas.*
Hamman, H. Herman,	*Michigan.*
Harper, Alfred James,	*Illinois.*
Haury, Arthur Otto,	*Kansas.*
Heath, Fred Erwin,	*Michigan.*
Hendrickson, Charles Augustus,	*Illinois.*
Higby, Francis Marion,	*Iowa.*
Higley, Henry Franklin,	*California.*
Hinckley, Carl Asa,	*Michigan.*

Hollem, Elmer Hugo,	*Illinois.*
Houston, George Russell,	*Wisconsin.*
Houston, Robert Braxton,	*Wisconsin.*
Houston, Robert Edgar,	*Illinois.*
Hull, Warren Kendall,	*Indiana.*
Irwin, William Wallace,	*Canada.*
Jackson, Bertram,	*Canada.*
James, Edward Everett,	*Nebraska.*
Jardon, Fred,	*Iowa.*
Jennings, Raleigh Arthur,	*Illinois.*
Jensen, Ole Jorgen,	*Washington.*
Johnson, Albert Nellon,	*Wisconsin.*
Johnson, Theodore,	*Illinois.*
Jones, Alfred Hannibal, Jr.,	*Illinois.*
Jones, Harvey Vilelle,	*Missouri.*
Kadel, Leroy L.,	*Illinois.*
Kagy, Joseph Rodney,	*Illinois.*
Kallander, David,	*Illinois.*
Kallner, Rebecca,	*Illinois.*
Kalman, Abraham,	*Illinois.*
Kane, William Thomas,	*Wisconsin.*
Kent, William H.,	*Illinois.*
Keppler, Christian Wilhelm,	*Ohio.*
Kerch, Ivan Kent,	*Illinois.*
Knecht, Frederick Cassius,	*Illinois.*
Kocher, William,	*Illinois.*
Kurtz, Francis Edward,	*Illinois.*
Kuyper, Neal Ame,	*Michigan.*
LaBounta, Forrest Palmer,	*Illinois.*
Lafount, Arthur Charles,	*Utah.*
Lambach, Hugo Charles,	*Iowa.*
Lane, Jesse Pitzer,	*Illinois.*
Larkin, William Francis,	*Illinois.*
Leckie, David Garnet,	*Canada.*
Lee, Gilbert O.,	*North Dakota.*
Leonard, Ray Nowland,	*California.*
Leverton, Elmer R.,	*Indiana.*
Lobeck, William Henry,	*Minnesota.*
Lohnbakken, Olaf,	*Minnesota.*
Louderback, Andrew Vachel, M.S.,	*Indiana.*
Lowes, George Geoffrey,	*Canada.*
Lowry, Hallett Emmet,	*Michigan.*
Luetscher, George Benjamin,	*Wisconsin.*

Lupton, Leslie Arthur,	*Iowa.*
Lyle, Arthur Garfield,	*Michigan.*
McCann, George Christopher,	*Illinois.*
McCulloch, Archibald Lewis,	*Minnesota.*
McDonald, Earl Alexander,	*North Dakota.*
McDonald, Harry L.,	*South Dakota.*
McGovern, Thomas Henry,	*Wisconsin.*
McKechney, Daniel Herbert,	*North Dakota.*
McKnight, Robert Franklin,	*Illinois.*
Maas, Leonard Milton,	*Illinois.*
Macdonald, Philip Frederick,	*Illinois.*
Mahaffy, William James,	*Iowa.*
Malkin, Louis,	*Illinois.*
Manchester, LeRoy B.,	*Washington.*
Mann, William Tanner,	*Tennessee.*
Mason, Clarence Lee,	*Indiana.*
Maxwell, George Henry,	*Illinois.*
Mecham, Norton Ray,	*Idaho.*
Medsker, Ora Levertia,	*Indiana.*
Meek, William Gardiner,	*Michigan.*
Merritt, Milfred Isaac,	*Colorado.*
Miller, Agnes O'Byrne,	*Indiana.*
Miller, John,	*Wisconsin.*
Moe, William James,	*Wisconsin.*
Moore, Franklin Asbury Beall,	*Illinois.*
Moore, Virgil,	*Illinois.*
Moore, William Garnet,	*Canada.*
Morey, Frank Huffer,	*Louisiana.*
Morrison, John Francis,	*Canada.*
Morse, Charles Lawrence,	*Indiana.*
Muir, William Wallace,	*Iowa.*
Murphy, Artemus Ward,	*Iowa.*
Myer, William Lindley,	*Illinois.*
Mylroie, William Garfield,	*Wisconsin.*
Nally, Enos Clifton,	*Missouri.*
Nelson, Arthur Glen,	*Illinois.*
Nelson, George Albin, Jr.,	*Illinois.*
Newcomb, Charles B.,	*Michigan.*
O'Hara, Mathew Martin,	*Illinois.*
Olafsson, Olaf J.,	*Illinois.*
Olson, William Andrew,	*Illinois.*
Omsberg, Charles S.,	*Wisconsin.*
Parks, James Frank,	*Tennessee.*

Patterson, Glenn Scott,	*Michigan.*
Percival, Frank Robert,	*Illinois.*
Peroutky, John Wenzel,	*Wisconsin.*
Phelps, Edgar Burns,	*California.*
Phillips, Lee Albert,	*Minnesota.*
Plummer, Perry Haskell,	*South Dakota.*
Porter, Harley Jay,	*Iowa.*
Porter, Helen Kerns, Mrs.,	*Arkansas.*
Powers, Samuel Birney,	*Wisconsin.*
Prideaux, Oscar Charles,	*Wisconsin.*
Putz, William Edward,	*Wisconsin.*
Redmond, William Glenn,	*South Dakota.*
Reid, William Alexander,	*South Dakota.*
Renno, Henry John,	*Pennsylvania.*
Reynolds, Thomas Francis,	*Illinois.*
Rice, Thomas Lester, D.V.M.,	*Illinois.*
Richards, Walter Harold,	*Iowa.*
Riley, Daniel Howard,	*Illinois.*
Riley, Harbin Septer,	*Illinois.*
Risinger, Ira Henry,	*Michigan.*
Roberts, Milo Charles,	*Iowa.*
Robinson, Fred Mac,	*Michigan.*
Rockfellow, John Albert,	*Washington.*
Sargent, William Enoch,	*South Dakota.*
Sawyers, Frank Lyman,	*Iowa.*
Scharff, Ferdie Hulbert,	*Louisiana.*
Schnaidt, Edward J.,	*South Dakota.*
Scovel, Robert Morris,	*Iowa.*
Selleck, Charles Herbert,	*Illinois.*
Sengpiel, William John,	*Wisconsin.*
Severence, Roy Harold,	*North Dakota.*
*Sheppard, Ralph T.,	*Illinois.*
Sherman, Leigh W.,	*Minnesota.*
Siverling, George Earl,	*Iowa.*
Smith, Charles Edgar,	*Illinois.*
Smith, Eberle Dennis,	*Ohio.*
Smith, Edward William,	*Texas.*
Smith, Harold Slayton,	*Iowa.*
Smith, Harry Oscar,	*Illinois.*
Smith, J. Lancie,	*Illinois.*
Somerville, David McCoil W.,	*Canada.*
Soukup, Joseph Edward,	*Iowa.*

* Deceased.

Sprague, Harry Albert,	*Michigan.*
Stenberg, Nels Ludwig,	*Michigan.*
Stenz, William Henry,	*Wisconsin.*
Stewart, William Curtis,	*Illinois.*
Stimson, Henry Symes,	*Minnesota.*
Stowell, Clayton Frank Bloomfield,	*Michigan.*
Street, Charles Abraham,	*Australia.*
Sullivan, Clarence F.,	*Iowa.*
Swain, Earl Glenn,	*Illinois.*
Taylor, George Wesley,	*Canada.*
Teitgen, August Hubert,	*Wisconsin.*
Tellman, Garrett Henry,	*Michigan.*
Thomas, Rees Lewis,	*Minnesota.*
Thorsness, Gilbert Clemence,	*Wisconsin.*
Timmis, Joseph Frank,	*Illinois.*
Traveller, Teel Dow,	*North Dakota.*
Trythall, John,	*South Dakota.*
Uglow, Charles Malcolm,	*Canada.*
Unbehaun, Elmer C.,	*Iowa.*
Unland, Theodore Howard,	*Nebraska.*
Uttech, Otto Christian,	*Wisconsin.*
Viersen, Leo A.,	*Iowa.*
Watson, Arthur William,	*Utah.*
Walsh, Thomas John,	*Indiana.*
Washburn, Harvey Benson,	*Minnesota.*
Weaver, Clarence Kinney,	*Iowa.*
Webster, Charles Joseph,	*Illinois.*
Weir, Robert Andrew,	*Canada.*
West, Frederick Victor,	*Canada.*
Whiting, Carl Edward,	*Minnesota.*
Wight, Holland E.,	*Utah.*
Willson, Clarke Mills,	*Minnesota.*
Wilson, John Thurman, B.M.,	*Illinois.*
Woodworth, Charles R.,	*Kansas.*
Wyman, Mattie K.,	*Minnesota.*
Yackel, Edward Wilson,	*Wisconsin.*

FRESHMAN CLASS.

Alexander, James S.,	*Florida.*
Allen, Henry Wilson,	*Illinois.*
Alm, Gustavus Theodore,	*Michigan.*
Anderson, Bert Golbern,	*Iowa.*
Ashley, Edward Holbrook,	*Illinois.*
Bakke, Simon,	*Wisconsin.*
Barke, Owen Seward,	*Minnesota.*
Barnett, Torrence Dawson,	*Ohio.*
Baumgartner, Walter John,	*Iowa.*
Bertelson, Elmer,	*Minnesota.*
Best, Herbert Floyd,	*Montana.*
Bovik, Roley,	*Illinois.*
Cain, Claude W.,	*Ohio.*
Campbell, George Madder,	*Canada.*
Cardy, Charles Arthur,	*Illinois.*
Case, Charles Milton,	*Illinois.*
Case, Claude Edmund,	*South Dakota.*
Close, Ira Enis,	*Illinois.*
Close, Ralph Edward,	*Illinois.*
Colstrom, Carl A.,	*Minnesota.*
Conklin, Wilber Roscoe,	*Illinois.*
Craddick, Marshall Travis,	*Illinois.*
Crary, Elisha John,	*Iowa.*
Davis, William Henry,	*Illinois.*
Dobson, Fred Arthur,	*Illinois.*
Donahue, Edward Joseph,	*Michigan.*
Eisenstaedt, Joseph,	*Illinois.*
Erickson, Alfred,	*Illinois.*
Fontaine, Eli N.,	*Minnesota.*
Ford, Z. Daniel,	*Tennessee.*
Frackelton, Albert,	*Illinois.*
Furby, Howard John,	*Illinois.*
Galbraith, Henry Levant,	*Minnesota.*
Gatewood, Robert H.,	*Nebraska.*
Giffin, Bert Bennett,	*Wisconsin.*
Gilbert, William Franklin,	*Wisconsin.*
Gonsoulin, Silvio,	*Louisiana.*
Hay, Curtis Barton,	*Texas.*
Haynie, George E.,	*Illinois.*
Hopkins, Bertrand DeWitt,	*Illinois.*
Hunt, Winford Aldrich,	*Illinois.*

Kerr, Charles Henry,	*South Dakota.*
Kingsley, Austin Cain,	*Illinois.*
Krueger, Louis Frederick,	*Iowa.*
Landon, Orrin Frederick,	*Indiana.*
Lawson, Frederick S.,	*Wisconsin.*
Lehrbach, Leslie Nickalos,	*Wisconsin.*
Leichter, Rubin,	*Illinois.*
Leisman, Harry Robert,	*Minnesota.*
Lewis, Tullins Blaine,	*Illinois.*
Lieberthall, Charles Philip,	*Ohio.*
Light, William,	*Illinois.*
Lyons, Henry Edward,	*Canada.*
McKenna, Charles Wermor,	*Nebraska.*
McKibbin, William Harvey,	*Illinois.*
Maerlender, Max,	*Germany.*
Mahony, Peter,	*Australia.*
Malmgren, Robert Victor,	*Minnesota.*
Mann, Agnes,	*Germany.*
Mercer, Robert J.,	*South Dakota.*
Miller, Verne Agassiz,	*Indiana.*
Mohan, Joseph Francis,	*Illinois.*
Moore, Osmond Stanley,	*Australia.*
Murray, James Edward,	*Colorado.*
Ogilvie, Robert Adam,	*North Dakota.*
Partridge, Benjamin Sherwin,	*Washington.*
Peach, Lyulph,	*Australia.*
Peisley, William Shirley,	*Australia.*
Pelton, Lewis Arthur,	*Illinois.*
Penniston, Edward,	*Iowa.*
Potter, LeRoy C.,	*Utah.*
Puffer, George Robert,	*Illinois.*
Reich, Louis,	*New York.*
Reynolds, George Ford,	*Indiana.*
Richards, Colonel Melzar,	*New York.*
Root, Bert Prestion,	*Minnesota.*
Russell, Frank Leo,	*Illinois.*
Sawyer, Joy Clarence,	*Michigan.*
Scobee, Ernest Linwood,	*Illinois.*
Seabert, Charles Pierce,	*Iowa.*
Sheffield, John Edgar,	*Ohio.*
Shuford, Thomas Eaton, B.S.,	*Mississippi.*
Shull, Franklin Martin,	*South Dakota.*
Simpson, Charles Augustus.	*Illinois.*

Smith, Roy Leslie, A.B.,	*Texas.*
Spicer, Samuel Sherman, A.B.,	*Iowa.*
Stephens, Earl Glennwood,	*Illinois.*
Teitgen, Walter E.,	*Wisconsin.*
Thomas, Cleveland Langrage,	*Iowa.*
Topliff, Ray Frank,	*Iowa.*
Treseder, Lorenzo Dowty,	*Utah.*
Tyler, Earl Carlton,	*Michigan.*
Tyler, William Chambers,	*Illinois.*
Vinje, Eivin,	*Minnesota.*
Walls, Oliver Thomas,	*Illinois.*
Walther, Arthur Frederick William,	*Illinois.*
Weeks, Fred Theodore,	*Wisconsin.*
Weyer, Charles Nicholas,	*Minnesota.*
White, David Nichol,	*Utah.*
Wright, Weston Wilmot,	*Canada.*

SPECIAL STUDENT.

Gregg, Edwin Stanton, D.D.S.

THE SCHOOL OF MUSIC.

STUDENTS IN REGULAR COURSES.

Anderson, Mrs. Jennie,	*Evanston.*
Anderson, Lillian Antonia,	*Evanston.*
Andrews, Florence Ethel,	*Ravenswood, Chicago.*
Anguish, Maude Darling,	*Evanston.*
Bailey, Lura Mary,	*Richland Center, Wis.*
Barry, Curtis Abel,	*Chicago.*
Bauer, Addie Lilly,	*Wahpeton, N. Dak.*
Beaton, Mary Gregory,	*Rogers Park, Chicago.*
Beebe, Anna Lavinia,	*Evanston.*
Beed, Gail,	*Hampton, Ia.*
Beeman, Bertha,	*Evanston.*
Berry, Ivy Belle,	*Savanna.*
Bjorgo, Selma Marie,	*Thompson, N. Dak.*
Boles, Flora Alice,	*Fort Smith, Ark.*
Bowman, Elizabeth Mayo,	*Grayville.*
Breytspraak, Alice Clara,	*Evanston.*
Brickley, Lelia Gwendalin,	*Markle, Ind.*
Briggs, Charles Alfred,	*South Elgin.*
Brockway, Mrs. Minnette Metcalf,	*Evanston.*
Brown, Jessie Lois,	*Canton.*
Burrell, Edith Marian,	*Freeport.*
Butz, Theodore Charles,	*Winnetka.*
Campbell, Mabel Maud,	*Newberry, Mich.*
Case, Charlotte Eunice,	*Chicago.*
Christy, William Petrie,	*Evanston.*
Colladay, Jennie Frances,	*Hutchinson, Kan.*
Conaway, Cora Frances,	*York, Neb.*
Congdon, Elizabeth,	*Evanston.*
Congdon, Gertrude,	*Evanston.*
Conner, Amy J.,	*Olney.*
Cook, Isabel,	*Chicago.*
Cooley, Lillian Mae,	*Evanston.*
Colthurst, Claire,	*Morris.*
Davis, Grace Cannon,	*Eldora, Ia.*
DeVore, Okah,	*Attica, Ind.*
Du Mars, Cecile Ainsworth,	*Hanna City.*
Dunn, Mabel Adella,	*Evanston.*
English, Lela,	*Evanston.*

Englund, Esther Matilda,	*Jordan, Minn.*
Ericson, Grace Olivia,	*Evanston.*
Fiddick, Florence,	*Galena.*
Fisher, Hattie Louise,	*Aberdeen, S. D.*
Fisk, Ellen Green,	*Evanston.*
Flodin, Bertha Hester,	*Hutchinson, Kan.*
Flodin, Nellie Beulah,	*Hutchinson, Kan.*
Frost, Florence Virtine,	*Evanston.*
Gamer, Sarah Emma,	*Helena, Montana.*
Girton, Edith Alice,	*Madison, S. D.*
Gitchell, C. Edna,	*Leaf River.*
Gonser, Ada May,	*Ashley, Ind.*
Gould, Christmas,	*Olney.*
Gourley, Eva Ann,	*Villisca, Ia.*
Grace, Robert Nicholas,	*Metropolis.*
Gurnee, Clara Lindsay,	*Waukegan.*
Haase, Etta Mabel,	*Kearney, Neb.*
Hall, Blanche Mary,	*Columbus, Wis.*
Hardin, Bertha Rae,	*Evanston,*
Hart, Ethel L.,	*St. Joseph, Mo.*
Hawks, Mildred,	*Atwood.*
Hazelton, Jessie Lucia,	*Forest Glen, Chicago.*
Hea, Zoe Victoria,	*Freeport.*
Hoff, Amelia Anna,	*Evanston.*
Howes, Mamie,	*Hartford, Mich.*
Hull, Winifred,	*Evanston.*
Hummel, Rose Meta,	*Irving Park, Chicago.*
Hurn, Alice Loretta,	*Clear Lake, Ia.*
Hyden, Bertha Freda,	*Evanston.*
Keeton, William Elmer,	*St. Louis, Mo.*
Kimball, Ruth Merrill,	*Evanston.*
Knapp, Mrs. Hila Verbeck,	*Rogers Park, Chicago.*
Knapp, Mrs. Nina Shumway,	*Evanston.*
Kroehnke, Nan,	*Keystone, Ia.*
Machesney, Anna Olive,	*Grant Park.*
Messenger, Maude Elona,	*Spencer, Ia.*
Miehle, Maude Emeline,	*Edgewater, Chicago.*
Millar, Caroline Jane,	*Evanston.*
Millar, Jennie Mae,	*Ravenswood, Chicago.*
Morehart, Nellie Hortense,	*Chanute, Kan.*
Murray, Caroline Adams,	*Evanston.*
McCord, Bertha Clendenen,	*Wellsburg, W. Va.*
McEwan, Jean Elizabeth,	*Alexandria, Minn.*
McKenzie, Cora Belle,	*Wahpeton, N. D.*

McKinney, Marie Bowen,	*Piqua, Ohio.*
Nichols, Mildred Gates,	*West Liberty, Ia*
Noble, Pam,	*Evanston.*
Oakes, Minarose,	*Evanston.*
O'Brien, Anna Loretto,	*Evanston.*
Orchard, Elsie Helen,	*Evanston.*
Ott, Aureola Marie,	*Ravenswood, Chicago.*
Owen, Festus Edward,	*Mokena.*
Owen, Norma Vera,	*Westfield.*
Parkinson, Eleanor,	*Mt. Carmel.*
Patterson, Maude Lillian,	*Akron, Ind.*
Pond, Florence Adele,	*Minneapolis, Minn.*
Porter, Bertha Belle,	*Apple River.*
Pratt, Inez Evelyn,	*Spearfish, S. D.*
Prigmore, Suzanne Hassie,	*Alma, Mo.*
Record, Helen Alden,	*Evanston.*
Record, Mary Farwell,	*Evanston.*
Reed, Fanchon A.,	*Denver, Colo.*
Rice, Belva Evadue,	*Brookville.*
Robinson, Bessie Ellice,	*Claverack, N. Y.*
Rodgers, Adelina Patti,	*Charleroi, Pa.*
Rosborough, John Mahard,	*Sparta.*
Rundle, Louise Clair,	*Florence, Wis.*
Scheld, Frederick,	*Chicago.*
Scott, Elsie Tom,	*Cisco, Tex.*
Seely, John Gordon,	*Oswego.*
Seerley, Hazel Virginia,	*Burlington, Ia.*
Sherburne, Luella Mae,	*Hebron.*
Shotwell, Elizabeth Liddell,	*Evanston.*
Smith, Elsie Harriet,	*Westville, Ind.*
Snyder, Helen Louise,	*Freeport.*
Sohrbeck, Julia Marguerite,	*Moline.*
Sparling, Sylvester,	*Henry.*
Spencer, Edna Olive,	*Centralia.*
Squire, Walter Edmund,	*Aurora.*
Stacey, Ruby Hazzard,	*Aberdeen S. D.*
Stevenson, Nell,	*Nebraska City, Neb.*
Stults, Walter Allen,	*Evanston.*
Symons, Flora Mae,	*Mazon.*
Taylor, Carrie,	*Albia, Ia.*
Taylor, Mary Billings,	*Jacksonville.*
Thomas, Carrie,	*Decatur, Ind.*
Todd, Bertha Malvina,	*Milledgeville.*
Ullrick, Mrs. Francis Roe,	*Evanston.*

Walter, Mabelle Emma,	*Sandwich.*
Walters, Edith Deane,	*Harlan, Ia.*
Ward, Elizabeth Hester,	*Sheridan Park, Chicago.*
Ward, Lena,	*Evanston.*
Waterbury, Mary Louise,	*Evanston.*
Wathall, Alfred G.,	*Chicago.*
Webster, Josephine Haviland,	*Evanston.*
White, Marie Frances,	*Evanston.*
Whiteman, Louise Bartlett,	*Rochester, N. Y.*
Williams, Nona Evelyn,	*Mason City, Ia.*
Williams, Rachel Getty,	*Seneca, Kan.*
Woodley, Ruth Ann,	*Evanston.*
Woodruff, Nina May,	*Belvidere.*
Works, Florence Ethel,	*Evanston.*

SPECIAL STUDENTS.

Ahlers, Helene Adele,	*Bellevue, Ia.*
Albritton, Elmer Sanford,	*Williamsport, Pa.*
Allison, Georgia,	*Evanston.*
Armstrong, Christopher Lawrence,	*Milan.*
Atwood, Christine,	*Beloit, Kan.*
Ayer, Mittie Edith,	*Evanston.*
Baker, George C.,	*West Pullman.*
Barkle, Thomas John,	*Hailey, Idaho.*
Barr, Agnes Patterson,	*Ingersoll, Ont.*
Barry, Frank Edward,	*Aurora.*
Barlow, Mabel Ina,	*Bethany, Mo.*
Barnes, Alice May,	*Evanston.*
Baxter, Mrs. William G.,	*Winnetka.*
Beck, Mrs. Margaret Dean,	*Evanston.*
Beckett, Bessie,	*Blue Mound.*
Blagden, Beulah Blanche,	*Sycamore.*
Bragdon, Elizabeth,	*Evanston.*
Breckon, Albert Wulber,	*Earlville, Ia.*
Brickwood, Genevieve Marie,	*Chicago.*
Brown, John Roscoe,	*Grant, Mich.*
Brown, Lillian Mabel,	*Evanston.*
Brubaker, Nellie May,	*Robinson.*
Buffett, Clyde Esmon,	*Kewanee.*
Butterfield, Charles Edwin,	*Belvidere.*
Cady, Ella Leone,	*Geneseo.*
Cady, Gilbert Haven,	*Evanston.*
Callahan, William E.,	*Evanston.*

Carman, Oliver Orlando,	*Morgantown, W. Va.*
Carswell, George Charles,	*Howard Lake, Minn.*
Childs, Mary Louise,	*Milwaukee, Wis.*
Cocayne, Jesse Peryle,	*Mediaopolis, Ia.*
Cogswell, Ethel,	*Rogers Park, Chicago.*
Collins, Elizabeth Blossom,	*Fond du Lac, Wis.*
Collins, Zolitta Isabel,	*Fond du Lac, Wis.*
Collman, Pearl M.,	*Madison, Wis.*
Corrie, Ezra Samuel,	*Isabel, Kan.*
Cox, Guy Henry,	*Evanston.*
Cramer, Minnie,	*Clarinda, Ia.*
Culbertson, Harry,	*Latonia, Ky.*
Dame, Pearl Melea,	*Northport, Mich.*
Davidson, Lizzie,	*Evanston.*
Dean, Edith Resor,	*Evanston.*
Decker, Mrs. Gertrude Frances,	*Evanston.*
Deering, Marion,	*Evanston.*
Dees, Jesse Walter,	*Ashley.*
De Golyer, Marjorie Laura,	*Evanston.*
De Long, John Edmund,	*Belfontaine.*
Dixon, Mrs. J. Arthur,	*Evanston.*
Doolittle, Aimee Warren,	*Edgewater, Chicago.*
Eddy, Alice Hazel,	*Edgewater, Chicago.*
Eddy, Harriet Ellen,	*Edgewater, Chicago.*
Elliott, Zaida Helen,	*Valentine, Neb.*
Estell, Edna Williams,	*Evanston.*
Fallon, Lucie Hanenkamp,	*Edgewater, Chicago.*
Fidler, Albert Arthur,	*Goshen, Ind.*
Filbert, Bertha McAllister,	*Eaton, Ohio.*
Forbes, Edgar William,	*Lunenberg, Nova Scotia.*
Foster, Melissa Elmore,	*Evanston.*
Frid, James Walton,	*Hamilton, Ont.*
Ganster, Howard Elwood,	*Dayton, Ohio.*
Garrett, Grace,	*Athens, Ohio.*
George, Lucy Pearle,	*Petersburg, Ind.*
Gillan, Fannie Eva,	*Wellington.*
Gray, Webster Eber,	*Greenville, S. C.*
Grigson, Blanche Lenora,	*Augusta.*
Grizzell, Carrie Jane,	*Claflin, Kan.*
Grizzell, Florence Mary,	*Claflin, Kan.*
Hagar, Mrs. Ella Mary,	*Joliet.*
Hall, Frances Alice,	*Oak Park, Chicago.*
Hanmer, Mary Frances,	*Evanston.*
Harper, Mrs. Cora Ellen,	*Evanston.*

Harper, William Fletcher,	*Evanston.*
Harris, Alfred Ernest,	*Kentesbury Ford, Eng.*
Haskins, William,	*Evanston.*
Henderson, Mrs. Agnes,	*Evanston.*
Hess, Herbert William,	*Meridan, Conn.*
Hoar, Silas Hayes,	*Equality.*
Hobart, Louise,	*Winona, Minn.*
Hohn, Gottlieb Christian,	*Seward, Neb.*
Holbrook, Frederick Van Tyne,	*Evanston.*
Holladay, Daisy,	*Evanston.*
Hoover, Anna Ewing,	*Evanston.*
Horton, Angelo Burgess,	*Oregon, Wis.*
Houghton, Cecile Lucetta,	*Whitewater, Wis.*
Hubbart, Dwight Conkling,	*Monticello.*
Hubbart, Oliver Sherman,	*Monticello.*
Hurst, Ava Elizabeth,	*Galena.*
Hyde, Herbert Samuel,	*Chicago.*
Ichihashi, Tomoyuki,	*Tokio, Japan.*
James, Herman Gerlach,	*Evanston.*
James, Louise Meserve,	*Chicago.*
Jeter, Luther Ray,	*Yorkville.*
Jockisch, Albert Julius,	*Decatur.*
Johnson, Victoria Alma,	*Bancroft, Ia.*
Johnson, William Richard,	*Cornell.*
Jordan, Oscar Joseph,	*Pullman, Chicago.*
Just, Eleanor Katherine,	*Brainerd, Minn.*
Justice, James Caleb,	*Evanston.*
Keeshan, Robina,	*Junction City, Kan.*
Kelley, Helen Ursula,	*Hampton, Ia.*
Kelley, Walter Denman,	*Cheyenne, Wyo.*
Kettle, Mrs. Eva Wallace,	*Fort Dodge, Ia.*
Kline, Carrie Mae,	*Evanston.*
Knisely, Mabel,	*Butler, Ind.*
Knox, Mary Louise,	*Evanston.*
Laird, Allie Luella,	*Evanston.*
Lamb, Bessie Thomas,	*Petersburg, Ind.*
Lehle, Anna Louise,	*Chicago.*
Leighton, Fannie,	*Wichita, Kan.*
Lewis, Marguerite Dolton,	*Evanston.*
Long, William Henry,	*Marshalltown, Ia.*
Mace, Gertrude Williams,	*Evanston.*
Mariner, Madge Ogden,	*Evanston.*
Metzgar, Mrs. Saidee Dart,	*Evanston.*
Miller, Josephine Ruth.	*Evanston.*

Miner, Charles Henry,	*Gilroy, Cal.*
Morrison, Mrs. Myrtle Warner,	*Evanston.*
McChesney, Grant Gay,	*Evanston.*
McChesney, Mrs. Luella May,	*Evanston.*
McClelland, Anna Elizabeth,	*Monona, Ia.*
McDonald, Mrs. Grace Estella,	*Evanston.*
McKee, Walter C.,	*Chrisman.*
Neely, Clara Grace,	*Evanston.*
Nelson, Charles H.,	*Chicago.*
Newton, Mrs. Minnie E. C.,	*Evanston.*
North, Lyman Hull,	*Evanston.*
Northrop, Mrs. Minnice,	*Evanston.*
Norton, Alice Luthera,	*Evanston.*
Nuzum, Walter Franklin,	*Eau Claire, Wis.*
Odell, Mrs. J. P.,	*Evanston.*
Oliver, Maude Louise,	*Evanston.*
Pague, Natalie Andrews,	*Chicago.*
Park, Frances Belle,	*Concordia, Kan.*
Patten, Emma Theodora,	*Evanston.*
Paulus, Viola Emma,	*Chicago.*
Peterson, Robert P.,	*Dwight.*
Pinney, Saidie Gertrude,	*Cleveland, Ohio.*
Plagge, Herbert John,	*Barrington.*
Pollock, Samuel Edgar,	*Evanston.*
Pollock, Samuel James,	*Flint, Mich.*
Portman, Blanche,	*Chicago.*
Potter, Frank Ohr,	*Leaf River.*
Potter, Robert Alfred,	*Stafford, Kan.*
Pynchon, Grace Thorne,	*Evanston.*
Quirin, Augustus Jacob,	*Epworth, Ia.*
Raber, Cecile Fanny,	*Palo Alto, Cal.*
Ray, Ruth,	*Evanston.*
Ream, Albert Lewis,	*Hampshire.*
Rech, Gilbert Henry Andrew,	*Chicago.*
Redd, Ruby Rebecca,	*Charleroi, Pa.*
Reissenweber, Lewis Charles,	*Chicago.*
Riley, William Garfield,	*Dayton, Ohio.*
Robertson, Nadine,	*Virginia.*
Root, Huber Hall,	*Medina, Ohio.*
Rosine, Howard Myron,	*Lakeside.*
Rowland, Delta Eulilla,	*Lanark.*
Royce, May Blossom,	*Malcom, Ia.*
Ruch, Charles Edward,	*Shubert, Neb.*
Schafer, Elmer J.,	*Melvin.*

Schreiber, Charles Henry,	*Potter, S. D.*
Schreiner, Etta Emma,	*Dubuque, Ia.*
Scott, Mrs. Anna Miller,	*Evanston.*
Scott, Jane Neill,	*Evanston.*
Sedore, Mrs. Eleanor,	*Colby, Kan.*
Sedore, George Edwin,	*Colby, Kan.*
Shannon, Mabel,	*Minneapolis, Minn.*
Shawl, Elmer Edmund,	*Evanston.*
Shepherd, Delmer,	*Lebanon, Ind.*
Sheppard, Margarethe,	*Evanston.*
Sheppard, Virginia Cornelia,	*Evanston.*
Shibley, Alfred Earle,	*St. Charles.*
Simpson, David Manfred,	*Sioux City, Ia.*
Snell, T. S.,	*Ida Grove, Ia.*
Snell, Roy,	*Ida Grove.*
Spearman, Harry,	*Evanston.*
Spencer, Mrs. Grace Jessie,	*Chicago.*
Spicker, William,	*Evanston.*
Stansell, George Gilbert,	*Chattanooga, Tenn.*
Stanton, Alvord Cooper,	*Richview.*
Steininger, James Seybert,	*Evanston.*
Stevens, Maude Eva.	*Minneapolis, Minn.*
Stevenson, Alma,	*Princeton.*
Stratton, Chauncey,	*Mt. Vernon.*
Strawson, Richard Green,	*Evanston.*
Summerville, Ralph Waldo Emerson,	*Evanston.*
Taylor, Nain,	*Hampton, Ia.*
Terril, W. C.,	*Evanston.*
Thayer, Effie Ellen,	*Evanston.*
Thomas, Lewis Leach,	*Evanston.*
Tracy, Adrienne Lindsley,	*Evanston.*
Ullrick, Delbert Sylvester,	*Evanston.*
Vance, Mrs. William L.,	*Evanston.*
Van Vlissingen, Mrs. J. H.,	*Evanston.*
Walker, Frances Alberta,	*Argyle Park, Chicago.*
Walker, John Harvey,	*La Belle, Mo.*
Warrington, Isabel Ormiston,	*Chicago.*
Watson, Elbert Arthur,	*Parnell, Mo.*
Watson, Miss Margaret,	*Evanston.*
Weiffenbach, Mrs. Bettina,	*Evanston.*
Wheelock, Grace,	*Wilmette.*
Whitfield, Josiedell,	*Evanston.*
Whitlock, Walter Hugh,	*Dix, Ill.*
Wilcox, Charles Elliot,	*Evanston.*

Williams, Herman Henry,	*Belvidere.*
Wilson, William Cleveland,	*Belfast, Ohio.*
Wood, Arthur C.,	*Hampton.*
Wood, Caius Marcius,	*Belle Plaine, Kan.*
Woodley, Helen Jane,	*Evanston.*
Wooley, Mrs. G. W.,	*Evanston.*
Young, Mrs. Emily Merz,	*Evanston.*
Zeller, Avon H.,	*Waterman.*
Zentmire, Frank,	*Oakland, Ia.*

GARRETT BIBLICAL INSTITUTE.

POST GRADUATES.

O'May, James, A.M., S.T.B., *Evanston.*
Simpson College, Garrett Biblical Institute.

Simpson, Charles Eric, *Evanston.*
Garrett Biblical Institute.

DEGREE COURSE.

SENIOR CLASS.

Fisher, Albert L., Ph.B., *Evanston.*
Northwestern University.

McKeever, Lawrence Arthur, A.B., *Salina, Kan.*
Kansas Wesleyan University.

Reynolds, Judson Walker, A.B., *Oskaloosa, Iowa.*
Iowa State University.

Ruff, Fred, A.M., *Chicago.*
Northwestern University.

Rush, Raymond, A. B., *Mt. Vernon, Ohio.*
Baldwin University.

Schermerhorn William David, A.B., *Lincoln, Kan.*
Kansas Wesleyan University.

Spencer, John Carroll, A.B., *College Park, Cal.*
University of the Pacific.

Stevens, Charles Edward, Ph.B., *Rowan, Iowa.*
Upper Iowa University.

Tyler, William A., M.D., *Curtis, Neb.*
Columbian University.

Ullrick, Delbert Sylvester, A.M., *Carson City, Nevada.*
Northwestern University.

Weiffenbach, Eugene, A.B., *Alton.*
Central Wesleyan College.

MIDDLE CLASS.

Brannum, Thomas Perry, B.S., *Beaucoup.*
McKendree College.

Eldridge, John M., A.B., *Shellsburg, Ia.*
Cornell College, Mount Vernon, Iowa.

Forbes, E.W., A.M., *Lunenburg, Nova Scotia*
Dalhousie University, Halifax, N. S.

Gilliland, Clarence V., A.B., *Iconium, Iowa.*
Cornell College, Mount Vernon, Iowa.

Holliday, Thomas K., A.B., *Pleasantville, Ohio.*
Ohio Normal University.

Letherman, Irvin John, Ph.B., *Winfield, Kan.*
South West Kansas College.

Nakagawa, Kunisaburo, Doshiska College. — *Yokyo, Japan.*
Parker, B. Earle, Ph.B., De Pauw University. — *Ashley, Indiana.*
Redmond, John Beverly, A.B., University of Chicago. — *Lexington, Miss.*
Rummell, Owen W., A.B., De Pauw University. — *Spencerville, Ind.*
Smith, Frank Herron, A.B., Kansas State University. — *Lawrence, Kan.*
Swan, Henry M., Ph.B., Northwestern University. — *Evanston.*
Warriner, Alfred Sumner, A.B., Kansas Wesleyan University. — *Topeka, Kan.*
Williams, Seymour, A.B., University of Illinois. — *Monticello.*

JUNIOR CLASS.

Brown, Arlo Ayres, A.B., Northwestern University. — *Kewanee.*
Christensen, Alfred H., Ph.B., Lawrence University. — *Oshkosh, Wis.*
Deal, C. E., A.B. Albion College. — *Kalamazoo, Mich.*
George, Albert E., Ph.B., Northwestern University. — *Dexter, Iowa.*
Harrop, C. W., L.B., Wheaton College. — *Arena, Wis.*
Henry, Arthur T., A.B., Missouri Wesleyan College. — *Lancaster, Mo.*
Hoar, S. H., A.B., McKendree College. — *Equality.*
Hohn, G. C., A.B., Central Wesleyan College. — *Spokane, Wash.*
Johnson, Francis James, B.S., Northwestern University. — *Box Grove, Ont.*
McClung, George H., A.B., Hedding College. — *Keithsburg.*
Morrison, Charles Henry, A.B., Ohio Wesleyan University. — *Cooperstown, N. D.*
Nixon, Lewis Wesley, A.B., University of Idaho. — *Cavendish, Idaho.*
Northrop, Albert Clinton, A.B., Kansas Wesleyan University. — *Belleville, Kan.*
Parkinson, George Hatheway, Ph.B., Northwestern University. — *Evanston.*
Perrill, Fred M., A.B., Baker University. — *Salina, Kan.*
Schrieber, Charles Henry, Ph.B., Northwestern University. — *Potter, S. D.*
Schutz, Herman, A.B., Central Wesleyan College. — *St. Louis, Mo.*
Simpson, David M., Ph.B., Northwestern University. — *Sioux City, Ia.*

Stansell, George G., A.M., U. S. Grant University.	*Grove Oak, Ala.*
Terrill, W. C. University Park.	*Denver, Colo.*
Troxel, J. S., Ph.B., Missouri Wesleyan College.	*Breckenridge, Mo.*
Welch, Arthur D., A.B., Upper Iowa University.	*Dyersville, Ia.*
Whitlock, W. H., Illinois Normal University.	*Dix.*
Wilcox, C. E., A.B., Huron College.	*Huron, S. D.*
Quirin, A. J., A.B., Morningside College.	*Epworth, Iowa.*
Rarig, Frank Miller, A.B., Northwestern University.	*Minneapolis, Kan.*

DIPLOMA COURSE.

SENIOR CLASS.

Barnes, Wilber Leslie, Delevan High School.	*Delevan.*
Callahan, William Eaton, Academy of Northwestern University.	*Evanston.*
Cooper, Judson P., Boston Theological School.	*Saginaw, Mich.*
Dahl, Edwin S., Carver Minnesota, High School.	*Minneapolis, Minn.*
Fried, Heber Morris, Waterloo High School.	*Elkhart, Ind.*
Haskins, William Forrest, Chaddock College.	*Shelbyville, Mo.*
Holloway, B. C., Academy of Northwestern University.	*Orangeville.*
Idle, Dunning. Victoria University, Toronto.	*Hobart, Ind.*
Jockisch, Albert Julius, Illinois State Normal School.	*Decatur.*
Kramer, B. W., Lena High School.	*Freeport.*
Leake, Leonard R., Platteville State Normal School.	*Lone Rock, Wis.*
Little, Paul, Belfast College, Ireland.	*Evanston.*
Miner, Charles Henry, LL.B., University of Nebraska.	*Gilroy, Cal.*
Muhleman, William G., Northwestern University.	*Evanston.*
Murray, Roderick, Toronto Bible Training School.	*Joliet.*
Peterson, Robert Peter, Puget Sound University.	*Dwight.*

Shawl, Wilmer E., Grand Prairie Seminary.	*Onarga.*
Shepherd, Delmer, Lebanon High School.	*Lebanon, Ind.*
Stanley, Whitman P., Wesleyan University.	*West Berkshire, Vt.*
Stockholm, Almon, B.L., Baldwin University.	*Hampden, Ohio.*
Wood, Arthur C., A.B., Hedding College.	*Hampton.*

MIDDLE CLASS.

Adams, S. C., Northwestern University.	*Worcester, Mass.*
Boag, Charles Wesley, Butler High School.	*Butler, Mo.*
Burnard, Cuthbert, American University of Harriman, Tenn.	*London, England.*
Chivington, Otis L., Ohio Normal.	*Wheeler, Ind.*
Clay, Sidney S., B.S., Tri-State Normal College.	*Toledo, Ohio.*
Clerke, Harold, Toronto University.	*Toronto, Canada.*
Crickette, Charles C., Stanberry Normal.	*Stanberry, Mo.*
Gibson, Arthur H., Campbell University.	*Beattie, Kansas.*
Holland, J. W., A.B., Iowa Wesleyan University.	*Milton, Iowa.*
Kafer, Henry H., Northwestern University.	*Glidden, Iowa.*
Liston, William W., Fremont Normal.	*Hooper, Neb.*
McDowell, George R., Allegheny College.	*Meadville, Penn.*
Smith, Attree, Ohio Wesleyan University.	*Lilly Chapel, Ohio.*
Suhr, Theodore Ludwich Carl, Dixon College.	*Peotone.*

JUNIOR CLASS.

Barkle, Thomas J., St. Agnes, Cornwall.	*Hailey, Idaho.*
Breckon, Albert W., B.S., Upper Iowa University.	*Earlville, Iowa.*
Brooks, Alton M., A.B., Albion College.	*Kalamazoo, Mich.*
Buffett, Clyde, Kewanee High School.	*Kewanee.*
Carman, Oliver Orlando, University of West Virginia.	*Morgantown, W. Va.*
Carswell, George C., Cobourg Collegiate Institute.	*Howard Lake, Minn.*

Colvin, Carolyn Prudentia, Ten Brook Academy, Franklinville, N. Y.	*Chicago.*
Corrie, Ezra S., Baker University.	*Isabel, Kansas.*
Culbertson, Harry, Asbury College.	*Latonia, Ky.*
Dees, Jesse W., Southern Illinois State Normal.	*Ashley.*
DeLong, John E., Ohio Normal University.	*Bellefontaine, Ohio.*
Doenges, Rudolph, Iowa Wesleyan University, Mt. Pleasant.	*Papillion, Neb.*
Deuel, George Edmund,	*Montgomery, Vt.*
Fidler, Albert, Public School.	*Goshen, Ind.*
Frid, J. W., Albert College, Belleville, Ont.	*Hamilton, Ontario.*
Harper, W. F., Academy of Northwestern University.	*Sidney, Neb.*
Herrick, Lida M., Northern Indiana Normal.	*Omaha, Neb.*
Horton, Angelo B., Wisconsin State University.	*Oregon, Wis.*
Howe, Aurelia R., San Francisco Normal.	*San Francisco, Cal.*
Howe, Halbert H., University of Nevada.	*Carson City, Nev.*
Ichihashi, Tomoyuki, University of the Pacific.	*Tokio, Japan.*
Jaggers. Abram, Taylor University.	*Plymouth, Cal.*
Kelley, Frederick Octavious, Bible Christian College, England.	*Kent, England.*
Kettle, John A., Glasgow High School.	*Fort Dodge, Iowa.*
Kettle, Evalena W., Fort Dodge High School.	*Fort Dodge, Iowa.*
Langdoc, Simon Saul, Northwestern University.	*St. Anne.*
Pollock, Samuel J., Academy of Northwestern University.	*Flint, Mich.*
Potter, Robert A., Nickerson College.	*Stafford, Kan.*
Redmond, John Beverly, Rust University.	*Lexington, Miss.*
Ruch, Charles E., Ph.B., Nebraska Wesleyan University.	*Shubert, Neb.*
Springer, Isaac Elihu, Northwestern University.	*Hazel, S. D.*
Steininger, James S., Litchfield High School.	*Manchester, Mich.*
Tanner, Burton Frank, Dakota University.	*Canton, S. D.*

Walker, J. Harvey, Kentucky University.	*La Belle, Mo.*
Wilson, W. E., Milford High School.	*Belfast, Ohio.*
Wood, C. M., Belle Plain High School.	*Wichita, Kansas.*

SPECIAL STUDENTS.

Cook, Francis P., Carleton College.	*Potosi, Mo.*
Crumbaker, Victor A., De Pauw University.	*Fairbury.*
Deuel, Elma H., St. Albans' High School.	*Montgomery, Vt.*
Garrett, Theodore F., Academy of Northwestern University.	*Amesville, Ohio.*
Harper, Mrs. W. F.,	*Evanston.*
Harriott, W. C., Kansas Wesleyan University.	*Chicago.*
Langerhans, C. L., Eden Theological Seminary.	*Evanston.*
Morrison, Myrtle Warner,	*Evanston.*
Phelps, Harriett, Leland Stanford University.	*San Rafael, Cal.*
Reed, John K., B.S., B.D.,	*Evanston.*
Smith, Mrs. Gertrude B., Kansas State University.	*Lawrence, Kansas.*
Spencer, Edna O., Northwestern School of Music.	*Centralia.*
Spencer, Grace Jessie, Knox High School.	*Chicago.*
Steininger, Mary A., Middleville High School.	*Manchester, Mich.*
Steininger, Mrs. J. S., Mellville High School.	*Mellville, Mich.*
Ward, Josiah,	*Evanston.*
Yenne, Gertrude M., Moody Institute.	*Puyalluss, Wash.*

STUDENTS OF THE COLLEGE OF LIBERAL ARTS TAKING WORK IN THE INSTITUTE.

Atkinson, Robert Kavanaugh,	*Vallejo, Cal.*
Barnes, John,	*Evanston.*
Cheuvront, John Richard,	*Buckhannon, W. Va.*
Hallam, Joseph,	*Albion.*
Kleihauer, Christian Frederick,	*Evanston.*
Merrell, Morton William,	*Monmouth.*
Miller, Clarence,	*Hiawatha, Kansas.*

STUDENTS FROM THE SWEDISH THEOLOGICAL SEMINARY DOING WORK IN THE INSTITUTE.

Bard, Nels,
Erickson, Gustav
Strandell, A. J.,
Werner, G. A.,

SWEDISH THEOLOGICAL SEMINARY.

Fourth Class.

Erickson, Gustaf,	*Hobart, Ind.*
Strandell, A. J.,	*Worcester, Mass*
Werner, G. A.,	*Ironwood, Mich.*

Third Class.

Bard, Nels,	*Chicago.*
Johnson, Albert,	*New York.*
Johnson, John A.,	*Racine, Wis.*
Rosenquist, C. J.,	*El Campo, Tex.*
Rylander, And. C.,	*Chicago.*

Second Class.

Adrian, T. J.,	*Scandia, Kan.*
Lundberg, Oscar J.,	*West Hill, Neb.*
Norberg, Gust.,	*Kingsburg, Cal.*
Sandell, Richard,	*Pullman.*

First Class.

Ekstrand, Gust. A.,	*Ravenswood.*
Englund, David K.,	*Jersey City, N. J.*
Larson, Elmer R.,	*Jamestown, N. Y.*
Malmquist, Carl H.,	*Newport, N. Y.*
Nelson, Berth. V.,	*Lincoln, Neb.*
Nelson, Emil V.,	*Scandia, Kan.*
Peterson, Arthur,	*Stratford, Ia.*
Reginell, Joseph,	*Chicago.*
Sahlen, Edwin,	*Providence, R. I.*
Swanson, Sigfrid O.,	*Stromsburg, Neb.*

NORWEGIAN-DANISH THEOLOGICAL SEMINARY.

Christensen, Andrew,	*Sioux City, Ia.*
Erickson, Edward,	*Chicago.*
Hanson, Carl W.,	*Norway.*
Haver, Hans S.,	*Perth Amboy, N. J.*
Levin, Richard,	*Neenah, Wis.*
Nelson, Gotfred,	*Hamlin, N. D.*
Oakland, Birt,	*Kenosha, Wis.*
Ofstie, Hans A.,	*Viking, Wis.*
Staff, Rhör,	*Concord, Mass.*
Tallefson, Theodore M.,	*Brooklyn, N. Y.*
Wang, John J.,	*Minneapolis, Minn.*

DEGREES, PRIZES, AND HONORS FOR THE YEAR 1902–03.

DEGREES CONFERRED IN JUNE 1903.

DEGREES IN COURSE.

Master of Arts.

Harry Reeves Calkins, *as of the year 1891.*

Jesse Ernest Eschbach,—Thesis: The right to contract and the police power.

Frank Cameron Kinsey,—Thesis: Examination of the blood of pneumonia patients for pneumocosei.

Ansel Alphonso Knowlton,—Thesis: A photographic map of arc spectrum of cadmium.

Edgar Nelson Layton,—Thesis: The medicolegal test of blood-stains.

Harriet Lehmann,—Thesis: Phases in the embryonic history of the aortic arches in mammals.

John Charles Lymer,—Thesis: Elementary properties of conic sections as presented by Poncelet in his "Traité des Propriétés Projective des Figures."

J. Scott Matthews,—Thesis: Easements and servitudes.

Lulu Katie Melzer,—Thesis: Methods of producing verbal emphasis in Cicero's Letters.

Clarence Dille Royse,—Thesis: New Testament conversions.

Fred Ruff,—Thesis: Heffel's Dramen.

Jennie Neil Scott,—Thesis: A study of the fifth book of the Iliad.

Harold Brough Shinn,—Thesis: The origin and development of the aortic arches in birds.

Delbert Sylvester Ullrick,—Thesis: The present Sunday school situation.

Ida Welch,—Thesis: Early phases of the development of the heart in birds, with special reference to the origin of its andothelial lining.

Master of Philosophy.

Alma Sophia Carlson,—Thesis: The influence of the English Bible on the diction of Alfred Tennyson.

Master of Science.

Edgar Allen Bedford,—Thesis: Early history of the olfactory nerve in swine.

Elma May Bowerman,—Thesis: Tennyson as a descriptive artist.

Ernest Francis Burchard,—Thesis: The lignites of Dakota county, Nebraska.

Paul Harrison Dike,—Thesis: A study of steam meters as applied to a rapidly fluctuating flow of steam.

Bachelor of Arts.

William Claud Booth,
Arlo Ayres Brown,
Mabel Elizabeth Cook,
Martin Cornelius Decker,
Harry Glenn Dildine,
Eleanor Stranahan Doty,
Milton Frye,
Arthur Lorenzo Gates,
Ernest Samuel Hobbs,
Mary Edith Karn,
Edith Elizabeth Lawrence,
Helga Marie Leburg,
Eva Mary Long,
John Wesley McClinton,
Ethel Louise Merrill,
Virginia Elizabeth Miller,
Thomas Edward Nugent,
Frank Miller Rarig,
Maud Tesmer Seaman,
Frederick Isaac Selzer,
Walter Frank Sipek,
Henry Edward Smoot,
Charles Edward Stahl,
Anna May Tyson,
Laura Foster Ullrick,
George Benjamin Woods.

Bachelor of Philosophy.

Reuben Fletcher Booth,
Mary Lizzie Bucknam,
Sarah Elizabeth Burr,
Gertrude Marie Carman,
Winifred Leola Chappell,
Emma Elizabeth Dapper,
Genevieve Gilruth,
Minnie Imogene Haines,
Florence Helen Hatfield,
Frank Edgar Jones,
as of the year 1897.
Effie Kinnison,
Ruth Lilian Lane,
Ray Elmer Lee,
Mina Loew,
George Alexander McMichael,
Walter Raleigh Myers,
Lenore Latham Negus,
Harriet Gertrude Norton,
Maude Louise Oliver,
Harriet Naylor Towle Perrin,
Florence Louise Richards,
Otto Gustaf Ryden,
Elberta Thalia Smith,
Eva May Stewart,
Ansel Roy Stowe.

Bachelor of Science.

Fred Edgerton Abbott,
Axel Walfrid Anderson,
Dana Foss Angier,
Eugene Whitman Bell,
Aura McEwen Benedict,
Elizabeth Bonar,
Eddy Sanford Brandt,
Harry Hamilton Brown,
Alice Campbell,
William Thomas B. Campbell,
Ellen Fatime Clemens,
Fay Cooper Cole,
Mary Huntington Comings,
Edith Idella Delay,
Roger Lee Dennis,
Amelia Jeannette Foster,
Elbertie Foudray,
George Levant Harroun,
William Heilman,
Edgar Starkey Jackson,
Francis James Johnson,
William Howell Jones,
Arthur Everett Joslyn,
Lucretia Garfield Kays,
James Lewis Lane,
Charles Percy McConnell,
Marguerite Johanna Mayr,
Frank Peter Mies,
Frank Joy Milnes,
David Billings Peck,
Jessie Irene Peters,
Louis Christiern Peterson,
Francis Gates Porter,
Karl Fredrick Putnam,
Theresia Schwingel,
Herman Wilmer Stowe,
Ralph Waldo E. Summerville,
John George Vaughan,
Lawyer Taylor,
Anna Welch,
Ruth Anne Woodley,
Gilbert Haven Wynekoop,
Elsie Zaumbrecher.

Bachelor of Letters.

Rogerta Dickinson,
Harriet Babcock Durham,
Hedwig Henriette Mueller,
Luella Reed,
Lilian Daisy Thomas.

Doctor of Medicine.

Lloyd Raymond Allen,
Cornelius Oscar Anderson, B.S.,
Herbert Spencer Arthur,
Ralph Washburn Avery, B.S.,
Edmund Kent Ayling,
Hugh Atlee Beam,
Jay Lee Beebe, Ph.G., B.S.,
Frederick Bowe,
Albert Sidney Bowen,
Charles Edward Boys, B.S.,
Charles Elmer Brown, M.D.,
Delmer Case Brown, B.A.,
Rexwald Brown,
John Howard Bryant,
Raleigh Ankney Buskmaster,
Basil Duke Buford,
Walter Herman Buhling, B.S.,
Frank Gilbert Carlson,
Clarence Light Carlson,
John Watson Cathcart,
John Sheldon Clark,
Charles E. Cole, Ph.B.,
James Cole,
Henry Glenwood Collie,

Peril Comerford,
Frederick Cook,
William M. Cooley,
Jay M. Crowley,
Bert Charles Cushway, D.D.S.,
Thomas Patrick Daly,
William Clark Danforth, B.S.,
Charles Gilchrist Darling, M.D.,
John Charles Delprat, M.D.,
Felix Charles Dolder,
William Percy Duncan, B.S.,
Gustaf Richard Egeland,
Frederick Eiche,
Charles August Erickson, Ph.G.,
Egbert W. Fell,
Charles Edward Fisher,
Frank D. Francis, A.B.,
Harry Eben Freeman, B.S.,
Raymond Peter Frink,
Malcolm Brown Fyfe,
George Benjamin Gilmore,
John Ferdinand Golden,
Clarence Gilbert Goodwin,
Cliffort Grosselle Grulee, A.M.,
Thomas Peter Guilfoyle,
George Christian Hanson, B.S.,
Louis Grason Harney,
Maurice Arthur Healy,
Earl Leslie Hendricks,
Harvey G. Hieber, Ph.G.,
William Ervin Hillis, M.D.,
Silas Matthew Hohf, M.D.,
Edgar Holm,
Charles Francis Howland,
Edwin Janss,
George Newton Jeffers,
Frederick Christian Bang Markus Jelstrup, Ph.G.,
Robert Joseph Kearns,
Samuel Grant Kelly, Jr.,
Englebert August Ketterer,
Oran West King,
Frank Cameron Kinsey, A.B.,
Otto Henry Kohlhaas,
Peter Frank Langenfeld,
Edgar Nelson Layton, A.B.,
James Frank Leslie,
Carl Clement Lowry,
Wilbur Lucas,
Fred. Bayard Lyon, Ph.G.
Paul Tiffy Lyon,
William Otis McBride,
Bernard Aloysius McDermott,
William Stewart Irvin McDowell, M.D.,
Alexander C. McKean,
Delano Irwin Maggard, A.B., B.S.,
John James Mahoney,
John Walter Martin,
Julius Ferdinand Mauermann
Joseph James Meehan,
George R. Melzer,
Henry Edward Meyer,
Homer Benjamin Millhon,
Welty Daniel Miner,
Ezra Jay Mitchell,
William Linett Murphy,
Oscar Walter Nauman, B.S.,
Pleasant Pomeroy Nesbitt, B.S.,
Fred McPherson Newman,
Edward Albert Nims,
Frank Ambrose Norris,
Maurice Joseph O'Connor,
Luther James Osgood,
Charles Vibert Benyon Poole,
Jesse B. Porter, A.B.,
Henry Waldo Powers,
Thomas William Priest,
Andrew La Roy Randall,
John Patrick Redmond,
Herbert William Rogers,
Karl Henry Schmidt,
Walter Leroy Schoenjahn,
Hugh Schussler, M.D.,
Paul Raymond Siberts, B.S.,

Leslie Levant Smead,
Clinton Smith,
Carsten Christopher Smith, A.B.,
Clifford Robert Spain,
John Perley Sprague, A.B.,
Francis William Starr,
Henry Bascom Thomas, S.B.,
John Letherman Tombaugh,
Elijah Van Camp, Ph.B.,
Carl Christian Vogel, M.D.,
J. Stanley Welch, B.Sc.,
Fred Edwin Welsh,
Thomas William Welsh,
William Hasson Wesley,
George Humphrey West, B.S.,
Frank Raymond Wheeler, B.S.,
Robinson Richard Whiteside,
Rasmus Vallin Williams, M.D.,
Channing Elmer Wolfe.

Bachelor of Laws.

Manfred Sickle Block,
Charles Center Case, Jr.,
Harry Kent Crafts,
Oliver Daniel Crilly,
Thomas Gardiner Deering,
David Owen Dunbar,
Alfar Maximilian Eberhardt,
Jesse Ernest Eschbach,
Hosea Vise Ferrell,
Lee Julius Frank,
Roy Guthman,
Thomas Moulton Headen,
Julius Maurice Kahn,
James William Keating,
Albert Keep, 2nd,
Royce Annan Kidder,
William Proctor Knapp,
Clarence Elliot Knowlton,
Morris Kompel,
Victor Gustav Kropf,
Clyde P. Lamar,
Curtis Gillmore Lee,
Marion Hayes McKinney,
Donald McNulta,
J. Scott Matthews,
Elias Mayer,
Morton Mergentheim,
Matthew Mills,
Edward James Murphy,
John Addison Niles,
Benjamin F. J. Odell,
Thomas Vincent O'Donnell,
John Judah Peckham,
Paul Bissell Phillips,
Charles George Rose,
Hyman Rosenburg,
Bertram W. Rosenstone,
Joseph Lawrence Shaw,
Frank Boeshair Schafer,
Harry Amos Swigert,
Nelson Thomasson, Jr.,
Sandor Thomsen von Colditz,
Fred Van Voorst,
Robin Leslie Welch.

Pharmaceutical Chemist.

James Porter Andrews,
Henry Victor Bonicel,
Owen Crippen De Vine,
Hjalmar Emil Erickson,
Samuel McFarlan Farrar,
Walter E. Fredrickson,
Lee Richmond Girton,
Carl Victor Green,
Charles Alfred Hammett,
Leonard Alfred Johnson,
Arthur Frederic Kohn,
Victor Bohumil Kovarik,

Herschel Clarence Megaw,
Oliver Jeremiah Miller,
Samuel Nelson Rinde,
Howard Addison Sharpe,
Eva Mary Smith,
Benjamin Spear,
Edward Everett Stacy.

Graduate in Pharmacy.

Leo Nicholas Alt,
Claude Ellis Auding,
James Porter Andrews,
Carlin Atterberry,
James William Baillie, Sc.B.,
Robert Herman Baltzer,
Roy Edward Bates,
Eli W. Boring, Jr.,
Samuel William Brown,
Andrew Ernest Buesch,
Grey Butler,
Frank Samuel Childs,
John Vick Cline,
C. Roland Clothier,
Thomas John Comer,
Albert Simon Cooley,
Fred Julius Dean,
Owen Crippen De Vine,
Gerald Robert Douglass,
Frank Hoe Dunne,
Robert Elliott,
Hjalmar Emil Erickson,
Samuel McFarlan Farrar,
Harry B. Felts,
Joseph J. Fettgather,
Andrew William Fleischer,
George Anton Frantz,
Walter E. Fredrickson,
Thomas Gessner,
Hubert Roy Gilbertson,
Lee Richmond Girton,
Leonard F. Good,
Charles Percy Hallam,
Charles Alfred Hammett,
John Henry Hartman,
Wm. Andrew Nicholas Hieber,
David Wesley Hill,
Henry Hydinger,
Louis Jaeger,
Christine Jeffers,
Archie Steward Keir,
Clifford Le Moyne Klinck,
Harry Kneevers,
Arthur Frederic Kohn,
Gustav Stanley Kolar,
Victor Bohumil Kovarik,
Walter A. Lamborn,
William Earle Large,
Frederick Charles Lien,
Burt Tuthill Locke,
James Adalbert Loukota,
Arthur G. Macomber,
Walter C. Magoun,
Harris Walker McClain,
Daniel Ray McCleery,
John William Malone,
Samuel Vincent Martin,
Herschel Clarence Megaw,
Harry Clyde Metzger,
Edward Michael,
Frank Alexander Milne,
George Edmund Milne,
John Wooford Neely,
John Peter Nolan,
David Alfred Nywall, B.S.,
Adolph Emil Obenland,
John B. Pendergrast,
Maynard H. Potter,
Madge Isabelle Pringle,
Adolph Louis Rachac,
Paul Cresse Reed,
August John Reinboldt,
Samuel Nelson Rinde,
Ernest August Seck,

Gustav Schmierer,
Howard Addison Sharpe,
Frank Clement Sheeran,
William Edward Simpson,
Eva Mary Smith,
Benjamin Spear,
Edward Everett Stacy,
Amanda Wilhelmina Stahl,
Claude Seymour Steele,
Harold Watson Sublett,
Marion Aristides Suddoth,
Carl Harry Swanson,
Julius Tank,
W. Walter Thiedohr,
John Arthur Turner.
Samuel Snider Vick,
Rowland E. Vincent,
C. Earl Walker,
Oscar Spencer Wertz,
William Byron Wetzel,
Clifton Damon Wheeler,
Clement Marsh Whitby,
Frank Pierce Wray.

Doctor of Dental Surgery.

Charles Barton Ackert,
Earl Stanley Addison,
Lee Ashley Bacon, B.S.,
Wallace Nelson Bailey,
Charles Reeder Baker,
John Ellsworth Baker,
Joseph Simian Baldridge,
Raymond Waldo Bane,
Edward Sutherland Barber,
Dudley Dean Bayless,
Gulielmus Alexander Beaumont,
Sebastian Becker,
Henry Wales Belknap,
George Nathaniel Bergbom,
Earl James Blackmore,
Edward Ward Blaisdell,
William Earl Blake,
Louis Lamonte Bliss,
Mark David Bogart,
Edward Payson Bridgman, Jr.,
William Wyart Brooks,
Charles Fredrick Brown,
Roy Lawrence Brown,
Albert Henry Brunner,
Glenn Canary Burbank,
Ira Ailesworth Burnett,
Alvah Wert Calvert,
Helfrid Ouchterlony Carlene,
John Francis Carroll,
Harrison Baskett Cave,
Herbert Franklin Christie,
Truman Tracy Church,
John J. Clemmer,
Caryll Eugene Cline,
Wallace Bruce Colbert,
James Furman Conover,
Andrew John Courtice,
William Adam Cox,
William Pollock Craig,
Edwin A. Crane,
Reuben Brooks Crose,
George Robert Currer,
William Curtis Dalbey,
Albert Joseph Dauterive,
Paul Burritt DeGroff,
Herbert Chester Dewey,
Morton Stanley Dodge,
Wilbert Jacob Dodge,
Arthur Farrington Douglas,
William Thomas Easton,
William Murray Edgar,
Richard Adolf Otto Ehrenhauss,
Herbert Delbert Elmerson,
George Morton Fairfield,
Ambrose Terry Fisher,
Elvira Forrest,
Orel S. Fowler,
George Thomas Fox,

Forrest Lee Gardner,
Joseph Archible Gardner,
David Hart Gottlieb,
Harold Wilcox Greeley, B.S.,
Edwin Stanton Gregg,
George Carlton Grove,
Robert Emmit Hagerty,
George Edward Haigh,
Dillon Hamilton,
Louis Frank Harder,
Charles Simpson Hart,
Edward Nelson Hegge,
Matthew Heller, Jr.,
Alfred Heymar,
John Carlton Hilbert,
Frederick Crider Hoffer,
Charles Hopper,
Charles Robert Huber,
Robert E. Huff,
Herbert Schluter Hughes,
Floyd Milton Hutchinson,
Leo Simplicius Hutchinson,
Francis Byron Ingersoll,
George Raymond Jackson,
Charles Alonzo Janes,
Elbert Clyde Jenkins,
Harry Ernest Jordan,
Vane Alton Jordan,
Maximillian Stienke Kern,
Warren J. Kesler,
John Finley Kettles,
Major Ransom Kinner,
LeRoy Allen Knapp,
Samuel S. Kruchevsky,
Herman James Laffitte,
Johannes Adolph Albrecht Land,
Ivy Garfield Lawrence,
George Henry Linaker,
Adam Lind,
John J. Link,
John Battiste Looze,
Robert Christopher McAvoy,
Oliver Carrol McCollom,
Frank James McLaughlin,
Joseph Scott McNinch,
Cecil James Hamilton Magee,
David Graham Marks,
James Clyde Mathies,
Otto Frederick Mau,
Roscoe Conklin Maxwell,
Martin Thompson Melde,
Irving Anthony James Milbyer,
George Roscoe Miller,
James Madison Miller,
Julius John Miller,
Robert Tatham Miller,
William Arthur Mitchell,
Dwight Edwin Moore,
Cyril Morris,
Perry James Morton,
George Martin Mullen,
Joseph Henry Mullin,
William Henry Mullen,
William Lawrence Mullin,
Lloyd Lawrence Murphy,
John Bertram Murray,
John Nelson,
Thomas Odail Nevil,
Sarah Catherine Norman,
Dennis James Normoyle,
Aaron Miles Olson,
Gerald Jay Packard,
Ernest Shear Packson,
Silas Birdsall Pardee,
Murray Albert Patton,
Herman Henry Paulsen,
William August Peters,
Arthur Clark Peterson,
Jesse W. Phillips,
Warren Byron Phillips,
Loren George Pierce,
John Reilly,
John Jay Richter,
Rufus John Roberts,
Arthur Hayes Robertson,
Louis Frederick Robichaux,

Herbert Ross,
George Bruce Rothlisberger,
Fred Garfield Salisbury,
William James Salisbury,
Frank Ebert Sanberg,
Andrew William Sauer,
Oscar Charles Schmidt,
Otto Henry Schulz,
Charles Herbert Seymour,
Guy James Shiels,
Henrik Shipstead,
Frank Twiss Sloan,
Austin Ora Smith,
Charles Edward Smith,
Perry Lee Smith,
Louis Edward Spires,
Charles Frederick Steinbaur,
John Murray Stephens,
Moses Ellsworth Stewart,
Charles Augustus Sweeney,
Ernest Robert Teasdall,
William John Thayer,
Alvin Allen Theile,
Charles Henry Thompson,
Robert Benjamin Thurman,
Andrew Nicholas Trompen,
James Clark Waddell,
John Benjamin Wagoner,
John Jay Welker,
Isabella B. Welsh,
Stanley Carpenter Welsh,
Alva Leroy Wenner,
Will Walter Wick,
Henry Emil Wolkow,
Albert Henry Woolson, Jr.,
Edwin Glenway Yeamans,
Frank James Yerke,
Gerhart Henry Young.

Graduate in Music.

Louis Norton Dodge,
Maude Juliet Marceau,
Sarah Louise Merrilies,
Aureola Marie Ott.

PRIZES AND HONORS.

IN THE COLLEGE OF LIBERAL ARTS.

The Kirk Prize, for writing and pronouncing the best English Oration: Frank Miller Rarig.

The Cleveland Prizes, for Excellence in Declamation: First prize, Arthur Lorenzo Gates; second prize, George Benjamin Woods.

The Gage Prizes, for Excellence in Debate: First prize, George Thomas Palmer; second prize, Frank Oscar Smith; third prize, George Benjamin Woods.

The Harris Prize, in Political and Social Science: George Levant Harroun.

The Patten Prizes, for Excellence in Oratory: First prize, Frank Joy Milnes; second prize, Arlo Ayres Brown; third prize, John Porcius Faulkner.

IN THE MEDICAL SCHOOL.

SPECIAL HONORS AT GRADUATION.

Charles August Erickson, *Magna Cum Laude.*
J. Stanley Welch, *Cum Laude.*
Clifford Grosselle Grulee, *Cum Laude.*
Walter Herman Bahlig, *Cum Laude.*
Frank D. Francis, *Cum Laude.*
William Clark Danforth, *Cum Laude.*
Jesse Bell Porter, *Cum Laude.*

HOSPITAL APPOINTMENTS, 1903.

Cook County Hospital.

Frank D. Francis,
Charles August Erickson,
William Clark Danforth,
Clifford Grosselle Grulee,
J. Stanley Welch,
Karl Henry Schmidt,
Luther James Osgood.

Western Pennsylvania Hospital.
William Hasson Wesley.

German Hospital.
George R. Melzer.

Wesley Hospital.

Edwin Janss,
John Howard Bryant,
Charles Edward Boys,
Ralph Washburn Avery,
Louis Grason Harney,
Bert Charles Cushway,
William N. Machesney, Alternate.

Michael Reese Hospital.
William M. Cooley.

Alexian Brothers' Hospital.
Egbert W. Fell,
William N. Machesney.

Chicago Baptist Hospital.
Clarence Gilbert Goodwin.

Passavant Hospital.
Frederick O. Bowe.

St. Francis' Hospital, Wichita, Kan.
Delano Irwin Maggard, Frederick Bayard Lyon.

Chicago Lying-in Hospital.
Frederick O. Bowe, T. M. Aderhold,
John Sheldon Clark.

Mercy Hospital.
Jessie Bell Porter, Frank Ambrose Norris,
James Cole, John Ferdinand Golden,
Rexwald Brown, Bernard Aloysius McDermott.

Illinois Charitable Eye and Ear.
Samuel Grant Kelly,

County Hospital, Albert Lea, Minn.
Christian Bang Jelstrup.

McKeesport Hospital, Pennsylvania.
Herbert Spencer Arthur.

Ohio Hospital for Epileptics.
Walter Herman Buhlig.

St. Luke's Hospital.
Henry Bascom Thomas.

Sanitarium, El Paso, Texas.
John Watson Cathcart.

More Hospital, Eveleth, Minn.
Paul Raymond Siberts.

Provident Hospital.
William Stewart Irvin McDowell.

St. Mary's Hospital.
Henry Glenwood Collie.

Bay Shore Sanitarium, Wisconsin.
Gustaf Richard Egeland.

Illinois Steel Co. Hospital, Joliet.
William Otis McBride.

Northern Michigan General Hospital.
Otto Henry Kohlhaas.

Mercy Hospital, Webster City, Ia.
Jay M. Crowley.

Fordyce Hospital, Guthrie Centre, Ia.
Channing Elmer Wolfe.

Colorado Iron and Fuel Co. Hospital.
Wilbur Lucas.

SCHOLARSHIPS FOR 1903-1904.

James Dennis Barrett, A.B.,
Joseph David Barry, B.S.,
Harley Ellsworth French, A.B.,
Ralph Garfield Mills, A.B.,
John Harvey Murphy, B.S.,
Edwin Winfield Rowe, B.S.,
Otis Orion Stanley, M.S.,
Emil Ernest Torell, A.B.,
John George Vaughan, B.S.,
Everett B. Williams, B.S.

IN THE LAW SCHOOL.

The Callaghan Prize: Hyman Rosenberg.
The Towle Prize: Amos Strickland.

IN THE SCHOOL OF PHARMACY.

The Gilpin, Landon & Co. Prize: Walter Thiedohr.
Honorable mention for meritorious work: Lee Richmond Girton, Leonard A. Johnson, Edward Everett Stacey.

GENERAL ALUMNI ASSOCIATIONS.

OFFICERS FOR THE YEAR 1903-04.

THE COLLEGE OF LIBERAL ARTS.

President—JAMES F. OATES, '93.
Vice-President—JOHN A. BELLOWS, '92.
Recording Secretary—ELIZABETH BRAGDON, '00.
Corresponding Secretary—GEORGE A. FOSTER, '81.
Treasurer—M. C. BRAGDON, '70.

EXECUTIVE COMMITTEE.

JAMES F. OATES, '93.
ELIZABETH BRAGDON, '00.
JOHN A. BELLOWS, '92.
JAMES T. HATFIELD, '83.
EDWIN L. SHUMAN, '87.

DIRECTORS.

TERM EXPIRES 1904.

E. P. CLAPP, '81.
JAMES F. OATES, '93.
ADA TOWNSEND, '89.
J. L. ALABASTER, '92.

TERM EXPIRES 1905.

V. K. FROULA, '98.
JOHN A. BELLOWS, '92.
GEORGE P. MERRICK, '84.
JAMES T. HATFIELD, '83.

TERM EXPIRES 1906.

A. W. CAMPBELL, '02.
H. H. BROWN, '03.
G. A. FOSTER, '81.
ELIZABETH BRAGDON, '00.

All graduates of the College of Liberal Arts are eligible to membership in this association.

The dues of the Association are one dollar a year, and there is no initiation fee. Any member may, if he so elects, pay ten dollars at one time in lieu of all annual dues.

Applications for membership should be made to the Treasurer.

THE MEDICAL SCHOOL.

President—Joseph B. De Lee.
First Vice-President—Wilbur C. Wood.
Second Vice-President—F. D. Francis.
Secretary—R. T. Gillmore.
Treasurer—William A. Mann.
Necrologist—E. Wyllys Andrews.

THE LAW SCHOOL.

President—Charles C. Linthicum, '82.
First Vice-President—George E. Foss, '89.
Second Vice-President—Robert E. Pendarvis, '87.
Third Vice-President—Percival Steele, '87.
Fourth Vice-President—Francis T. Colby, '80.
Secretary—Jerome J. Cermak, '02, 524-159 La Salle St., Chicago.
Treasurer—Otto R. Barnett, '88.

THE SCHOOL OF PHARMACY.

President—Thomas V. Wooten, '89.
First Vice-President—Judson W. Hoover, '99.
Second Vice-President—Jesse Elliott, '95.
Third Vice-President—W. L. Barnum, Jr., '01.
Secretary—Miss B. C. Piper, '02.
Treasurer—Maurice A. Miner.
Trustees—Harry Kahn, '89; J. J. Gill, '93; J. H. Montgomery, '91.

THE DENTAL SCHOOL.

President—Fred W. Gethro.
First Vice-President—Thomas B. S. Wallace.
Second Vice-President—Frederick W. Parker.
Treasurer—Arthur C. LaTouche.
Secretary—George B. Macfarlane.
Executive Committee—James W. Erringer, Ralph W. Parker, Arthur D. Black.

GARRETT BIBLICAL INSTITUTE.

President—Charles H. Stocking, '68.
First Vice-President—John E. Farmer, '84.
Second Vice-President—George J. Hunt, '92.
Secretary, Treasuer, and Annalist—A. E. Saunders, '91.
Executive Committee—Solon C. Bronson, '78; Gerial K. Flack, '90; James Rowe, '92.

NORTHWESTERN UNIVERSITY CLUB OF NEW ENGLAND.

President—A. S. Kimball, '77.
Secretary—Frank Peter Mies, '03, 61 Oxford St., Cambridge, Mass.
Executive Committee—Henman B. Smith, J. Ernest Smiley, Nathan Barnett.

NORTHWESTERN UNIVERSITY CLUB OF WASHINGTON, D. C.

President—Isaac R. Hitt, Jr., '88.
Vice-President—Frank M. Bristol, '87.
Secretary—Phineas L. Windsor, '95, 2120 N St., N. W.
Treasurer—Ruter W. Springer, '87.

NORTHWESTERN UNIVERSITY CLUB OF NEW YORK.

President—Stephen J. Herben, '89.
Vice-President—Anna Robinson Ridgway, '91.
Treasurer—Frank A. Reynolds, '91.
Secretary—Arthur James Elliott, '02.

STUDENT CHRISTIAN ASSOCIATIONS.

YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE COLLEGE OF LIBERAL ARTS.

President—Oliver Sherman Hubbart.
Vice-President—Frank Oscar Smith.
Recording Secretary—Robert Wilson Baird.
Corresponding Secretary—Clarence Herbert Mark.
Treasurer—Myron Eugene Taylor.
General Secretary—Harry O. Hill.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION OF THE COLLEGE OF LIBERAL ARTS.

President—Edith Agnes Northrup.
Vice-President—Emily Henrietta Greenman.
Treasurer—Daisy May Mathis.
Recording Secretary—Jane Bethany White.
General Secretary—Elvira J. Slack.

YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE MEDICAL SCHOOL.

President—George Hardin Curfman.
Vice-President—John Elmer Hughes.
Treasurer—Charles Clinton Hoagland.
Secretary—John George Vaughan.
General Secretary—Henry Stanley Hollenbeck.

NORTHWESTERN UNIVERSITY SETTLEMENT ASSOCIATION.

OFFICERS FOR THE YEAR 1903-04.

Head Resident—RAYMOND ROBINS.
Vice-President—WILLIAM A. HAMILTON.
Second Vice-President—WILLIAM DEERING.
Secretary—ALICE M. HOUSTON.
Treasurer—NORMAN W. HARRIS.

MEMBERS OF THE COUNCIL.

TERM EXPIRES 1904.

EMMA WINNER ROGERS.
ROBERT D. SHEPPARD.
CHARLES F. BRADLEY.
JAMES ALTON JAMES.
JULIETTE WALL.
JOHN H. PETRIE.
ELMER L. SCOTT.

TERM EXPIRES 1905.

WILLIAM CALDWELL.
CLARA C. GRISWOLD.
MRS. B. F. CRAWFORD.
MRS. S. C. STANTON.
EDMUND JANES JAMES.

TERM EXPIRES 1906.

CHARLES M. STUART.
FREDERICK H. DEKNATEL.
PHILIP R. SHUMWAY.
FRANK E. LORD.
WILLIAM HARD.
RUSSELL J. WILBUR.
MARY T. WILSON.

PHI BETA KAPPA.

OFFICERS.

President—H. H. C. Miller.
Vice-President—Joseph L. Morse.
Recording Secretary—Carla Fern Sargent
Corresponding Secretary—O. F. Long.
Treasurer—Frank E. Lord.

MEMBERS INITIATED JUNE 16, 1903.

William Etridge McLennan.
William Morton Payne.

Arlo Ayres Brown.
Mary Lizbeth Bucknam.
Alice Campbell.
Winnifred Leola Chappell.
Emma Elizabeth Dapper.
Roger Leigh Dennis.
Harry Glenn Dildine.
Amelia Jeannette Foster.
Elbertie Foudray.
Milton Frye.
Arthur Lorenzo Gates.
Arthur Everett Joslyn.
Lucretia Garfield Kays.
Eva Mary Long.
Ethel Louise Merrill.
Frank Peter Mies.
Walter Raleigh Myers.
Maude Louise Oliver.
Charles Edward Stohl.
Laura Foster Ullrick.
George Benjamin Woods.

SUMMARY OF STUDENTS.

College of Liberal Arts			847
Graduate Students		51	
Fellows	5		
Resident Graduates	38		
Non-Resident Graduates	8		
Undergraduate Students		796	
Candidates for a Bachelor's Degree	651		
Non-Candidates for a Bachelor's Degree	145		
Special Students	84		
Admitted from other departments	61		
Medical School			586
Fourth Year (Senior Class)		132	
Third Year		139	
Second Year		120	
First Year		88	
Special Students		107	
Law School			223
Third Year		44	
Second Year		64	
First Year		69	
Special Students		46	
School of Pharmacy			283
Candidates for the Degree of Pharmaceutical Chemist		29	
Candidates for the Degree of Graduate in Pharmacy		254	
Dental School			515
Third Year		178	
Second Year		236	
First Year		100	
Special Students		1	
School of Music			352
Students in Regular Courses		140	
Special Students		212	

Garrett Biblical Institute		152
Post Graduates	2	
Degree Course	51	
Diploma Course	71	
Special Students	28	
Norwegian-Danish Theological Seminary		11
Swedish Theological Seminary		22
		2,991
Deduct names counted twice		178
Total in degree conferring departments		2,813
In Non-Degree Conferring Departments		1,258
Northwestern Academy	568	
School of Music Preparatory Department	101	
School of Oratory (omitting names entered elsewhere)	97	
Grand Prairie Seminary	301	
Elgin Academy	191	
		4,071
Deduct names counted twice		240
Total in all departments		3,831

INDEX.

Absences, 156.
Academies, 288.
Accredited Schools, 84.
Adelphic Literary Society, 169.
Administration, Instruction in, 97.
Administrative Officers, 17.
Admission, Examinations for, 83.
  As Special Students, 83.
  By Certificate, 83.
  To Advanced Standing, 84, 186, 232, 249, 254.
Admission Requirements, 75, 185, 231, 246, 254, 279, 295.
Advisers, Faculty, 89.
Agora Literary Society, 169.
Alumni Associations, 398.
American School of Classical Studies, 171.
Anatomy, 147, 193, 256, 261.
Aramaic, 145.
Assaying, 127.
Assyrian, 145.
Astronomical Observatory, 56, 163.
Astronomy, 92.
Athletics, 68.

Bacteriology, 198, 262.
Biblical Literature, 92.
Biology, 146.
Board and Lodging, 176, 250.
Botany, 94.
Buildings, 55.
Business, Courses in Preparation for, 153.

Calendar, 9.
Chapel Attendance, 168.
Chapin Hall, 60, 176.
Charter, 41.
Chemistry, 96, 191, 260.
Christian Associations, 174, 217, 401.
Combined Courses,
  Medicine and College, 149, 187.
  Law and College, 150, 232.
  Theology and College, 150.
Committees, Standing, 21, 74.
Corporation, Members of, 19.
Correspondence School, Certificates of, 85.
Courses of Instruction,
  College of Liberal Arts, 92.
  Medical School, 191.
  Law School, 232.
  Pharmacy, 247.
  Dental, 255.
  Music, 278.
  Garrett Biblical Institute, 295.

Danish, 132.
Davis Hall, 58.
Dearborn Observatory, 56, 163.
Debates, Intercollegiate, 70.
Degrees, Regulations Affecting, 158, 159, 160, 240, 248.
Degrees Conferred in 1903, 386.
Dental School, 252.
Dermatology, 202.

Economic Geology, 107, 127.
Economics, 97.
Elective Studies, 88.
Elgin Academy, 292.
Elocution, 101.
Embryology, 194.
Employment for Students, 174, 251.
Engineering, Courses in, 139, 151.
English Language, 102.
English Literature, 104.
Ethics, 136, 272.
Eulexia Literary Society, 169.
Examinations, 83, 155, 214.
Expenses,
  College of Liberal Arts, 175.
  Medical School, 218.
  Law School, 242.
  School of Pharmacy, 250.
  Dental School, 275.
  School of Music, 285.
  Garrett Biblical Institute, 301.

Faculty Advisers, 89.

Faculty,
College of Liberal Arts, 71.
Medical School, 179.
Law School, 229.
School of Pharmacy, 244.
Dental School, 252.
School of Music, 277.
Garrett Biblical Institute, 294.
Fayerweather Hall of Science, 55.
Fellowships, 170.
Finance, Instruction in, 97.
Fisk Hall, 59.
French, 141.

Garrett Biblical Institute, 294.
Geology, 107, 127.
Germanic Languages and Literature, 109.
Gothic, 112.
Government and Organization, 41.
Grades of Scholarship, 155, 242.
Graduate Students, Fees, 176.
Graduate Students, List of, 304.
Graduate Studies, 157.
Graduation Requirements, 214, 273.
Grand Prairie Seminary, 290.
Grounds and Buildings, 55.
Greek Language and Literature, 114.
Gymnasium, 164, 215.
Gynecology, 204.

Hebrew, 144.
Heck Hall, 60.
Hinman Literary Society, 169.
Histology, 146, 194, 258.
History, 115.
Honors, 214.
Hospitals, 220.
Hospital Appointments, 228.
Hospital Quiz Class, 216.

Icelandic, 113.
Interstate School of Correspondence, 85.
Italian, 143.

Jurisprudence, 206, 272.

Laboratories, 164.
Laryngology, 203.
Latin Language and Literature, 120.
Law School, 229.
Librarians, 39, 73.
Libraries, 61, 215, 240, 274, 299.
Library Regulations, 162.
Literary Societies, 169.
Loan Funds, 177, 300.
Logic, 133.

Majors and Minors, Schedule of, 90.
Materia Medica, 262.
Mathematics, 122.
Matriculation Fee, 175.
Medical School 179.
Medicine, Department of, 209.
Memorial Hall, 60.
Mental Diseases, 206.
Meteorology, 92.
Mineralogy, 127.
Minors, 90.
Museums, 163, 274.
Music, School of, 277.
Music, 128.
Music Hall, 59.
Musical Clubs, 167.

Neurology, 205.
Northwestern Academy, 288.
Northwestern University Building, 58.
Norwegian-Danish, 132.
Norwegian-Danish Theological School, 302.

Observatory, Dearborn, 56. 163.
Obstetrics, 201.
Officers of Instruction and Government, 23.
Old College, 57.
Operative Dentistry, 267.
Ophthalmology, 203.
Oral Surgery, 271.
Organization and Government, 41.
Orrington Lunt Library, 56.
Orthodontia, 266.
Orthopedic Surgery, 209.
Otology, 203.

Paleontology, 108.
Pathology, 198, 259, 270.
Pearsons Hall, 60, 176.
Pedagogics, 132.
Pediatrics, 206.
Pharmacology, 198.
Pharmacy, School of, 244.
Philosophy, Psychology, and Logic, 133.
Physical Culture, 136.
Physical Diagnosis, 201.
Physics, 137.

Physiology, 147, 196, 257.
Political Economy, 97.
Prizes, 172, 243.
Professional Studies, 149.
Prosthetic Dentistry, 263.
Psychology, 133.

Records of Scholarships, 155, 242.
Registration, 154.
Religious Worship, 168.
Required Studies, 87.
Residence, 86.
Rhinology, 203.
Rogers Debating Club, 169.
Romance Languages and Literature, 141.

Scholarships, 170, 215, 243.
Self-support of Students, 174, 251.
Semitic Languages, 144.
Social Entertainments, 167.
Spanish, 144.
Special Students, 83, 279, 286.
Statutes, 48.
Students, Catalogue of, 304.
College of Liberal Arts, 304.
Medical School, 326.
Law School, 343.
School of Pharmacy, 350.
Students—*Continued.*
Dental School, 357.
School of Music, 370.
Schools of Theology, 379.
Study, Programs of, 87, 149, 157, 280.
Summary of Students, 404.
Summer School in Medicine, 216.
Surgery, Instruction in, 207.
Swedish, 145.
Swedish Theological Seminary, 303.
Swift Hall, 60.
Syphilology, 202.

Theology, Schools of, 294.
Therapeutics, 262, 270.
Trustees, 19.

University, The, 41.
Organization and Government, 41.
Statutes, 48.
History and Development, 52.
University Council, 22.
University Guild, 67.
University Settlement, 66, 402.

Wesley Hospital, 58.
Willard Hall, 60, 176.

Zoölogy, 146.

UNIVERSITY OF ILLINOIS-URBANA
3 0112 111511942